

**DRAFT RIVER SEDIMENT INVESTIGATION SUMMARY
FOR
THE FORMER WILLOW STREET STATION,
1640 AND 1740 NORTH KINGSBURY STREET
CHICAGO, ILLINOIS**

Prepared for:

**THE PEOPLES GAS
LIGHT and COKE COMPANY**

Prepared by:

**Burns & McDonnell Engineering
Company, Inc.
1431 Opus Place, Suite 400
Downers Grove, Illinois 60515-1164
630-724-3200**

**PROJECT NO. 32088
December 2006**

This draft river sediment investigation (RSI) summary presents the TarGOST™ logs, boring logs and forensic analytical results collected to-date in the in the North Branch of the Chicago River (River), adjacent to the former Willow Street Station (Site). The RSI activities were conducted in June and July 2006.

***Privileged and Confidential
Subject to the Attorney Client Privilege
and Attorney Work Product Doctrines***

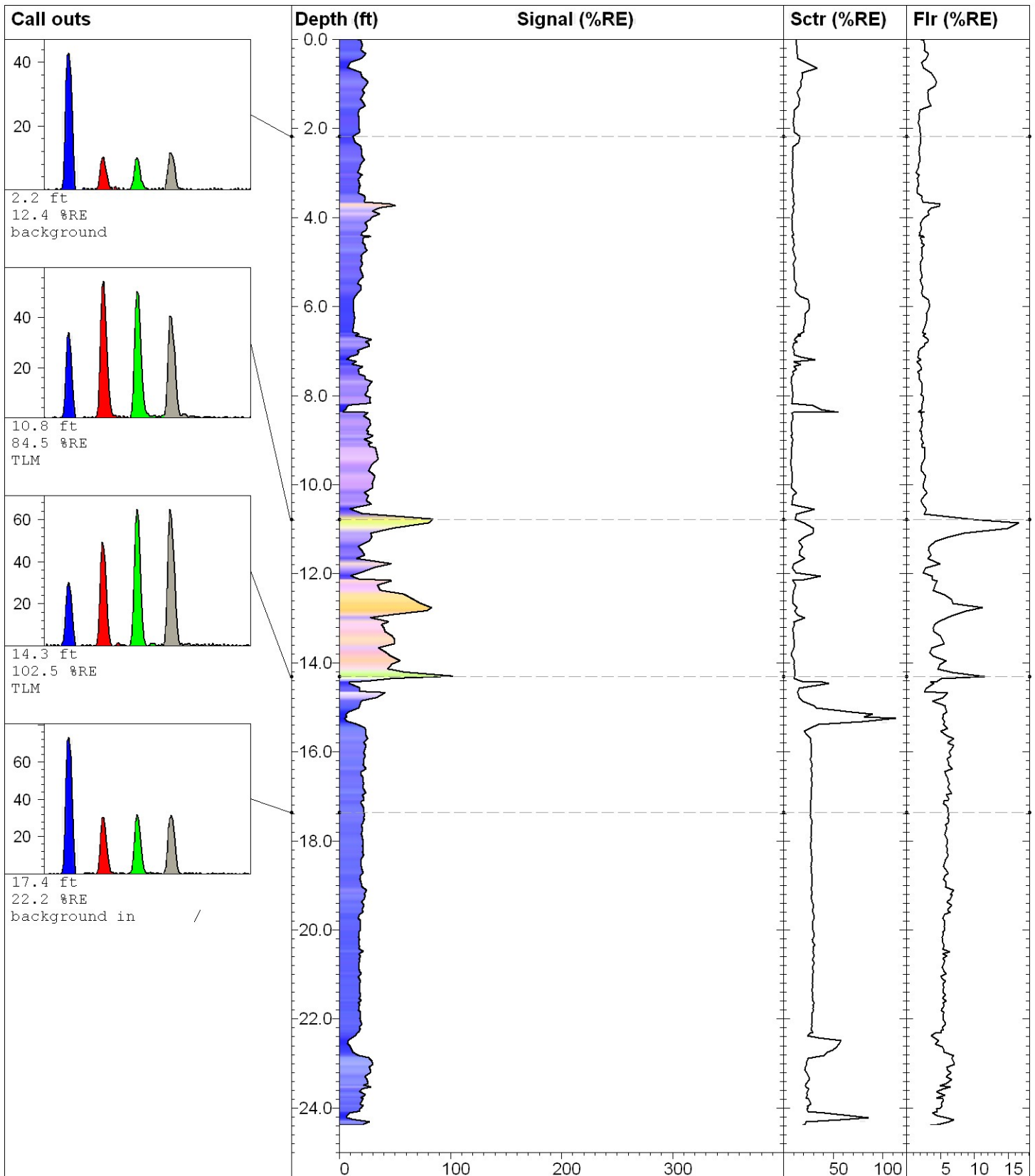
DRAFT

**RIVER SEDIMENT INVESTIGATION
FIGURES**

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**RIVER SEDIMENT INVESTIGATION
TarGOST™ LOGS**



Dakota Technologies, Inc.

2201-A 12th St N, Fargo, ND
P:(701) 237-4908 F:(701) 237-4926
www.DakotaTechnologies.com

WSSTG001

Site:
Willow Street Station, Chic

Client:
Burns & McDonnell

Job:
09413-098

Latitude / System:
Unavailable / NAD83

Longitude / Fix:
Unavailable /

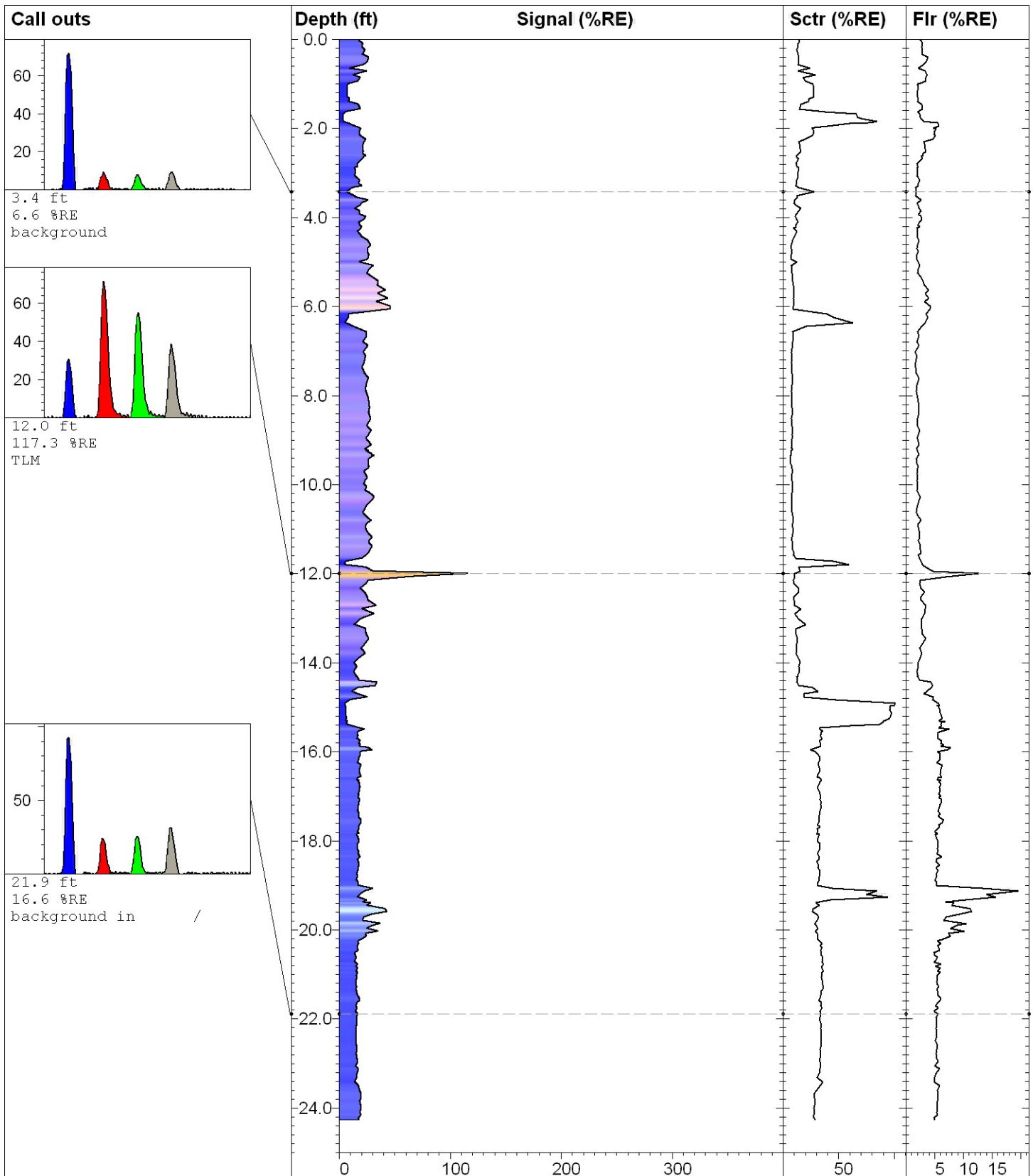
Operator/Unit:
Steve Adamek/DTI02

TarGOST

Final depth:
24.39 ft

Max signal:
102.5 % @ 14.31 ft

Date & Time:
6/13/2006 8:35:05 AM



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WSSTG002

Site:
Willow Street Station, Chic

Client:
Burns & McDonnell

Job:
09413-098

Latitude / System:
Unavailable / NAD83

Longitude / Fix:
Unavailable /

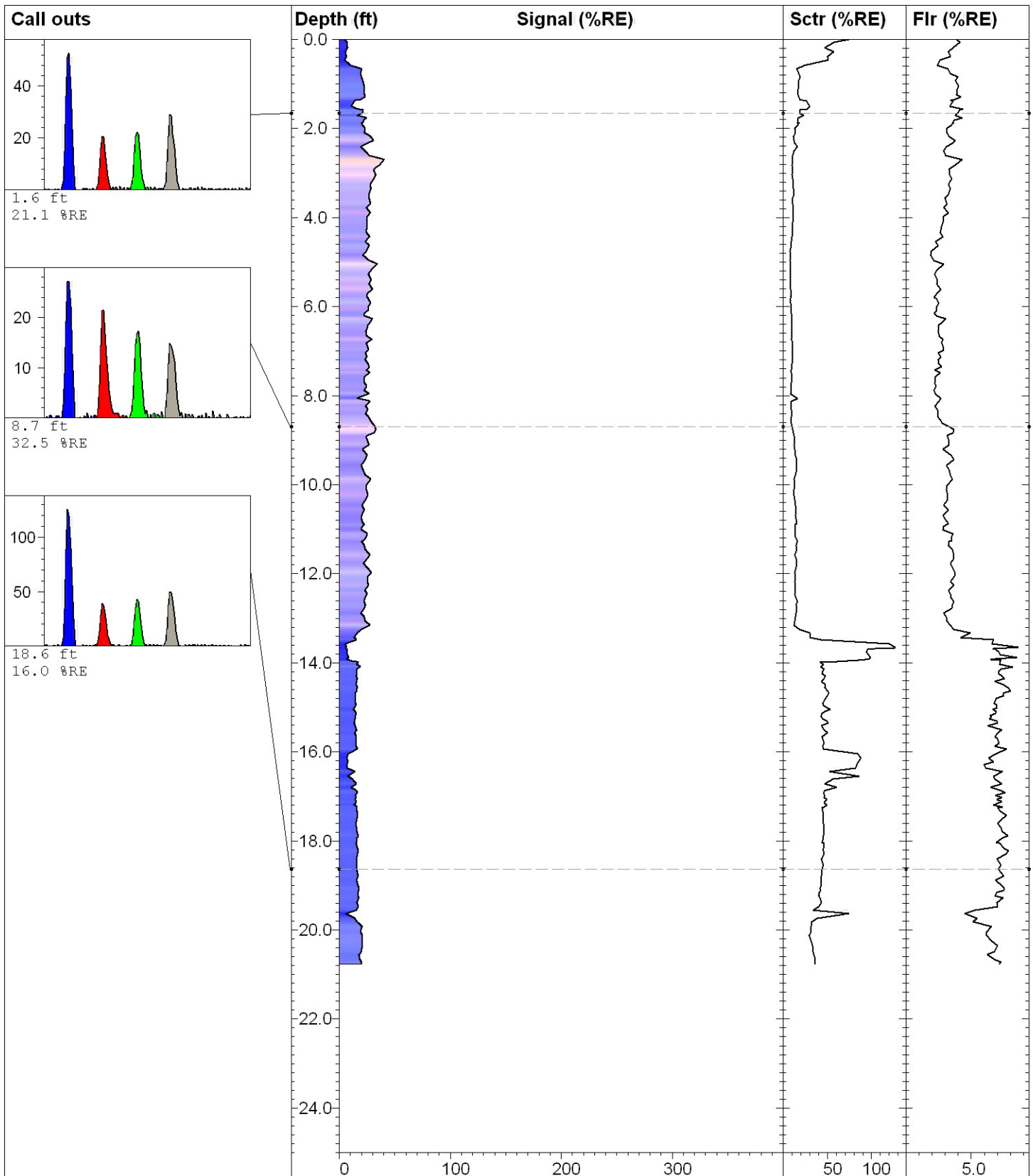
Operator/Unit:
Steve Adamek/DTI02

TarGOST

Final depth:
24.28 ft

Max signal:
117.3 % @ 12.00 ft

Date & Time:
6/13/2006 9:31:21 AM



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WSSTG003

Site:
Willow Street Station, Chic

Client:
Burns & McDonnell

Job:
09413-098

Latitude / System:
Unavailable / NAD83

Longitude / Fix:
Unavailable /

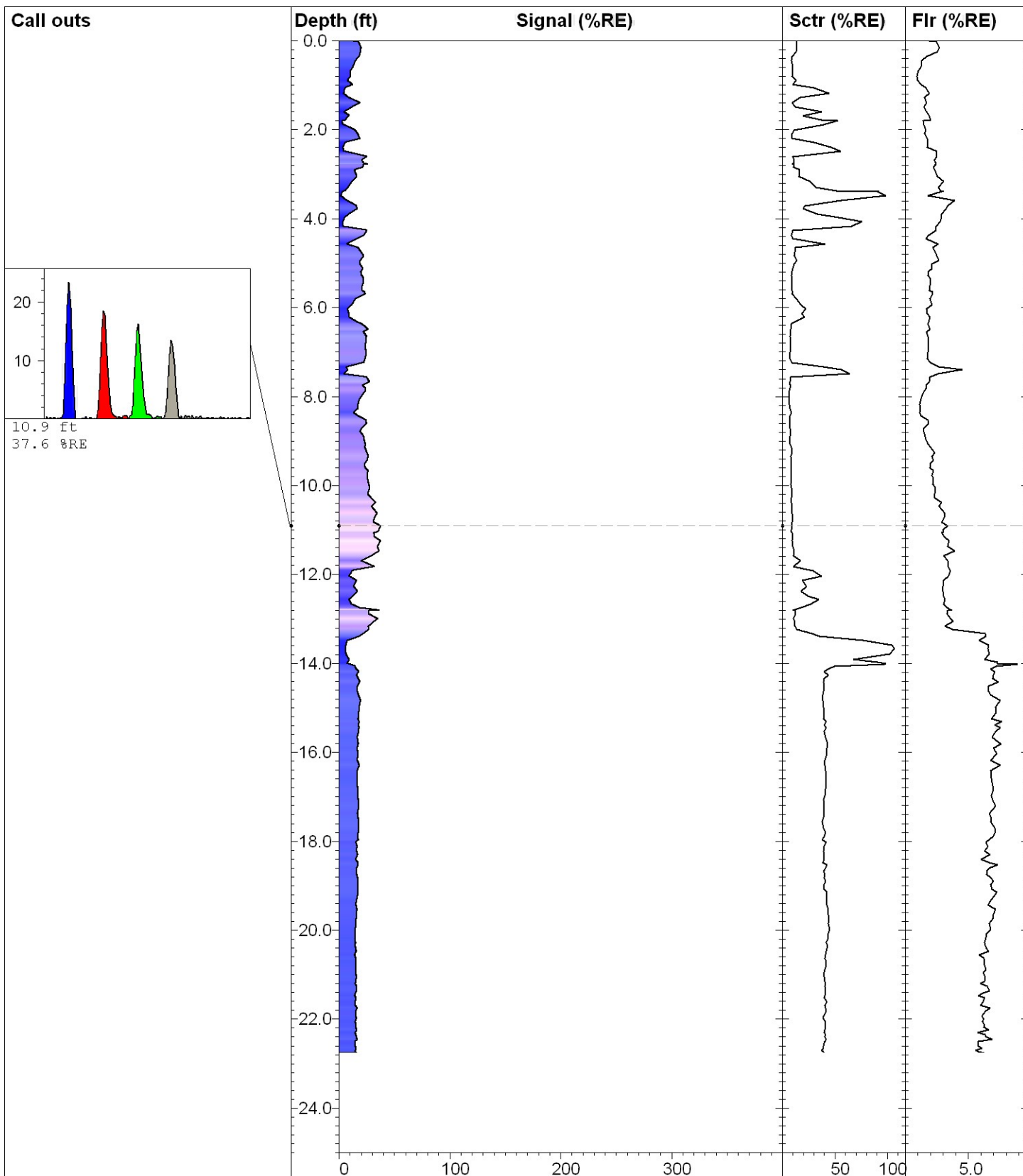
Operator/Unit:
Steve Adamek/DTI02

TarGOST

Final depth:
20.78 ft

Max signal:
40.4 % @ 2.70 ft

Date & Time:
6/13/2006 10:30:38 AM



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WSSTG004

Site:
Willow Street Station, Chic

Client:
Burns & McDonnell

Job:
09413-098

Latitude / System:
Unavailable / NAD83

Longitude / Fix:
Unavailable /

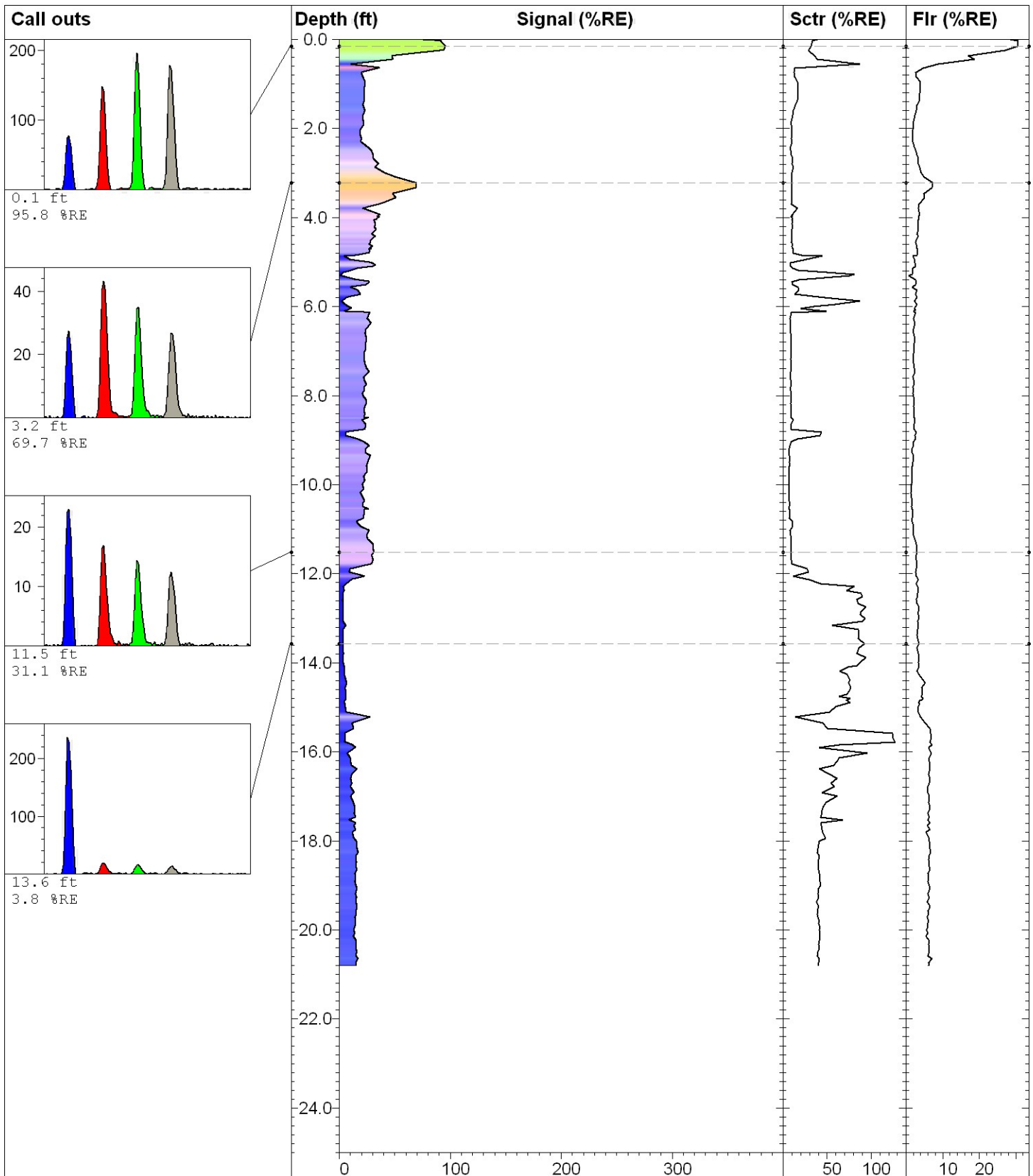
Operator/Unit:
Steve Adamek/DTI02

TarGOST

Final depth:
22.76 ft

Max signal:
37.6 % @ 10.91 ft

Date & Time:
6/13/2006 11:30:36 AM



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WSSTG005

Site:
Willow Street Station, Chic

Client:
Burns & McDonnell

Job:
09413-098

Latitude / System:
Unavailable / NAD83

Longitude / Fix:
Unavailable /

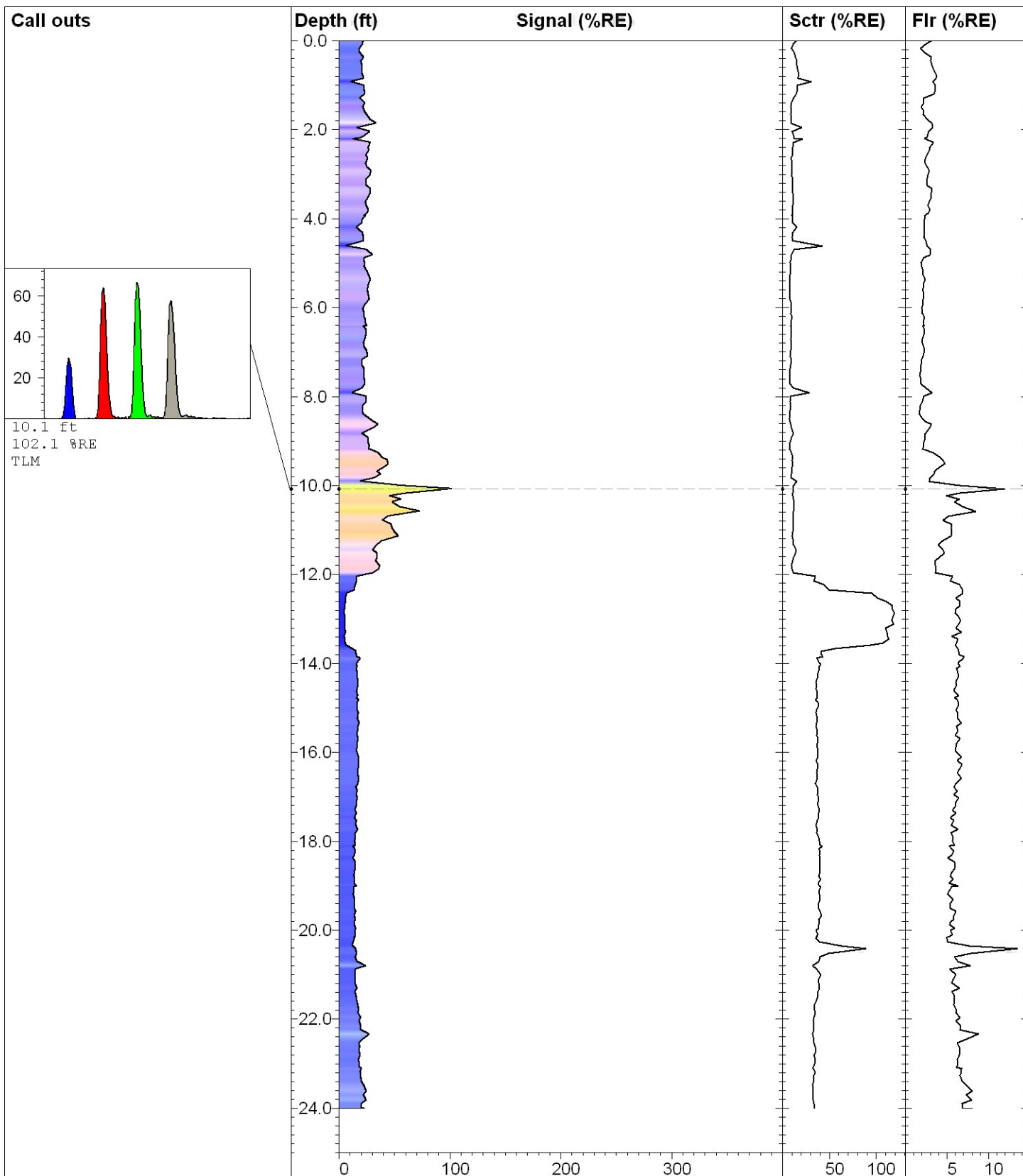
Operator/Unit:
Steve Adamek/DTI02

TarGOST

Final depth:
20.81 ft

Max signal:
95.8 % @ 0.15 ft

Date & Time:
6/13/2006 1:18:38 PM



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WSSTG006

Site:
Willow Street Station, Chic

Client:
Burns & McDonnell

Job:
09413-098

Latitude / System:
Unavailable / NAD83

Longitude / Fix:
Unavailable /

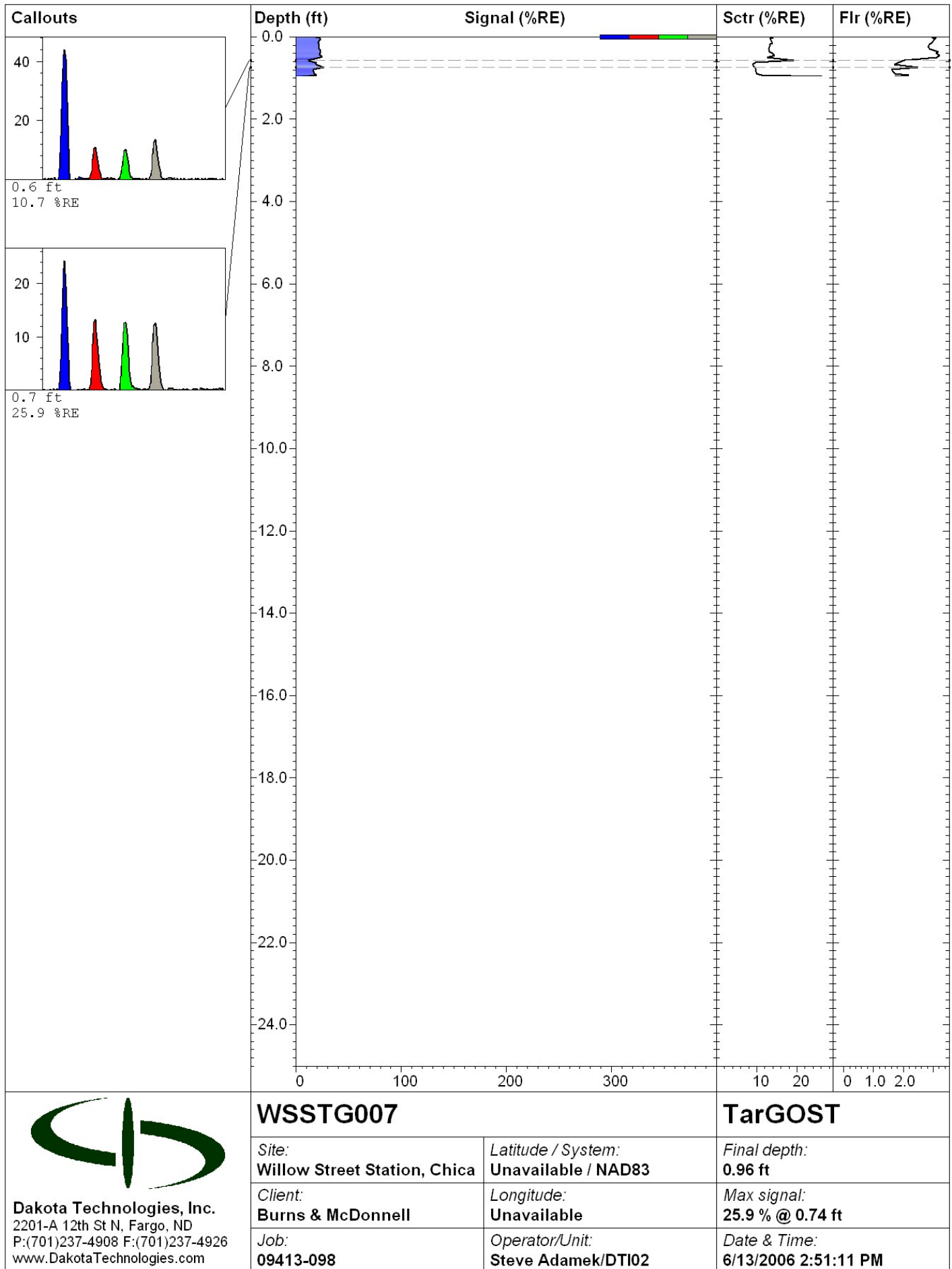
Operator/Unit:
Steve Adamek/DTI02

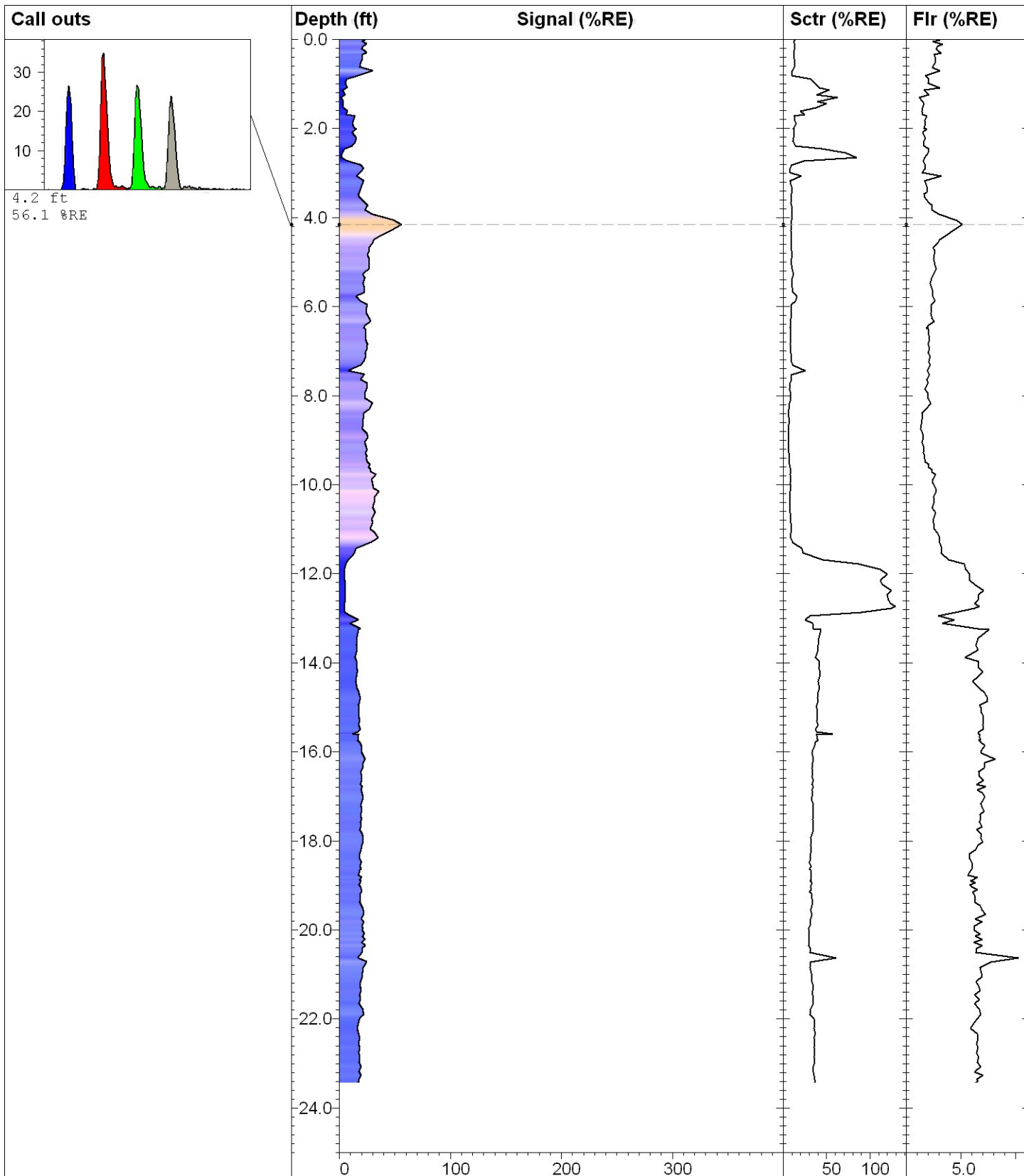
TarGOST

Final depth:
24.02 ft

Max signal:
102.1 % @ 10.07 ft

Date & Time:
6/13/2006 2:03:08 PM





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WSSTG007b

Site:
Willow Street Station, Chic

Client:
Burns & McDonnell

Job:
09413-098

Latitude / System:
Unavailable / NAD83

Longitude / Fix:
Unavailable /

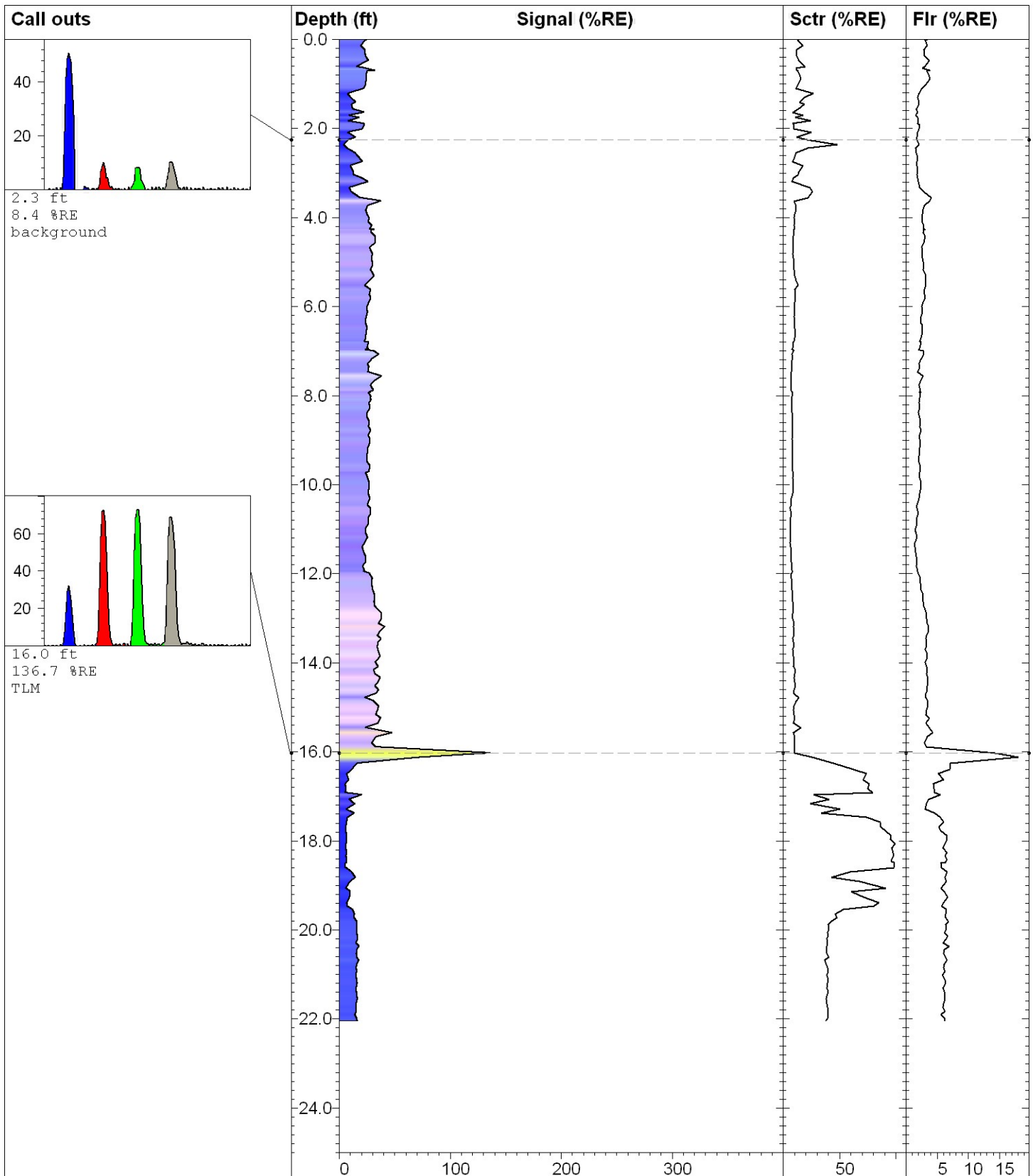
Operator/Unit:
Steve Adamek/DTI02

TarGOST

Final depth:
23.44 ft

Max signal:
56.1 % @ 4.16 ft

Date & Time:
6/13/2006 3:08:21 PM



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WSSTG008

Site:
Willow Street Station, Chic

Client:
Burns & McDonnell

Job:
09413-098

Latitude / System:
Unavailable / NAD83

Longitude / Fix:
Unavailable /

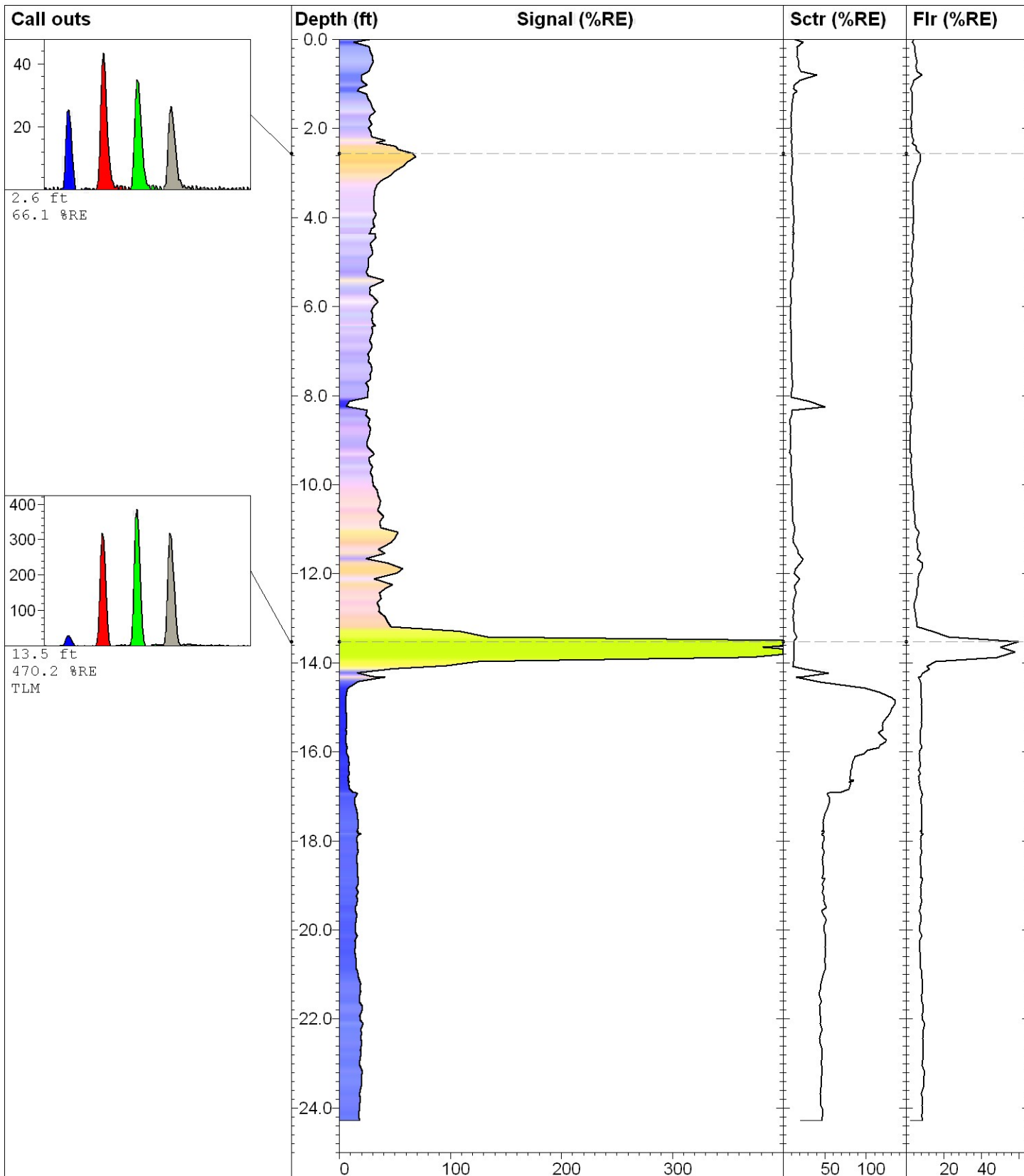
Operator/Unit:
Steve Adamek/DTI02

TarGOST

Final depth:
22.05 ft

Max signal:
136.7 % @ 16.03 ft

Date & Time:
6/13/2006 3:54:56 PM



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WSSTG009

Site:
Willow Street Station, Chic

Client:
Burns & McDonnell

Job:
09413-098

Latitude / System:
Unavailable / NAD83

Longitude / Fix:
Unavailable /

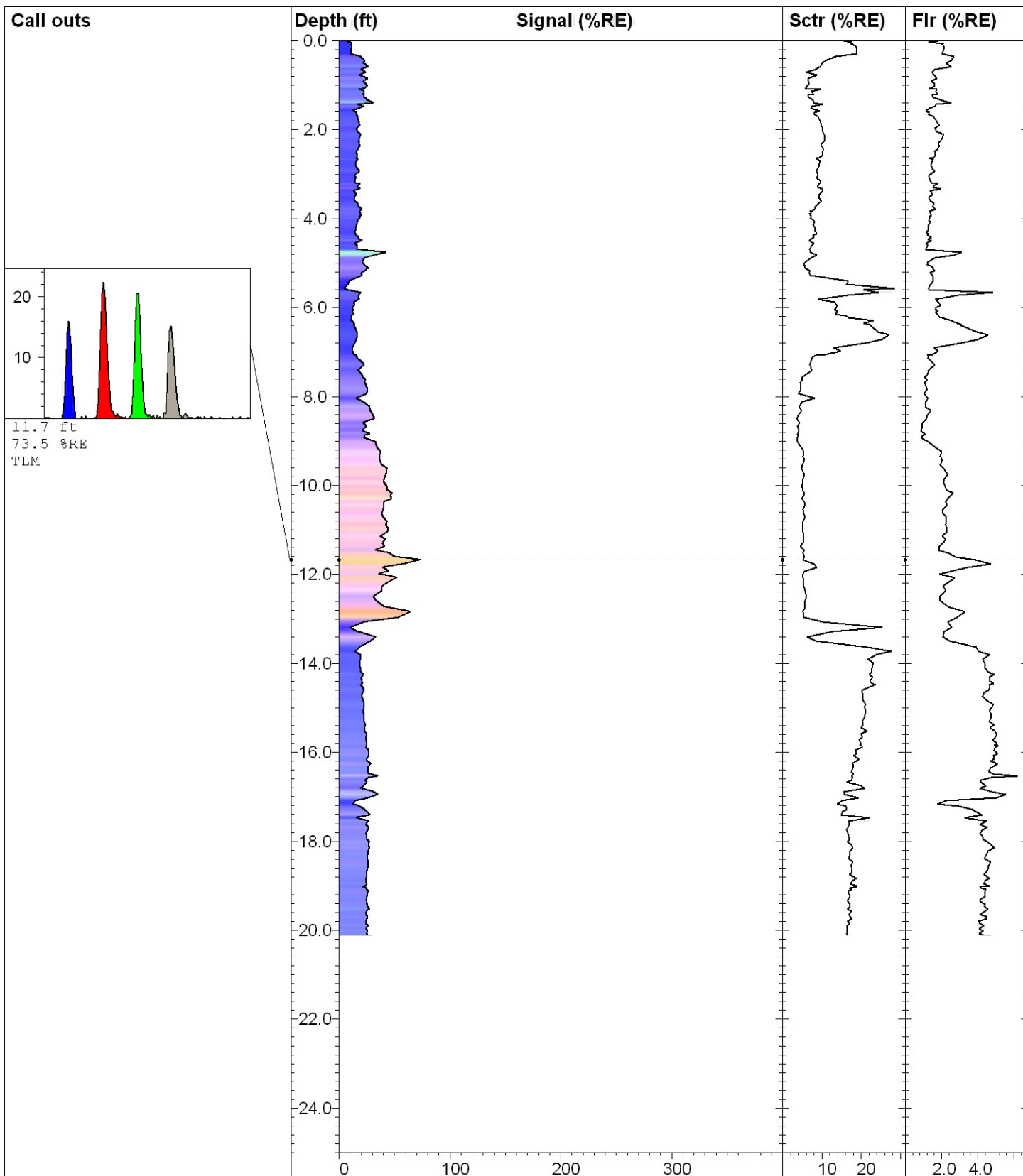
Operator/Unit:
Steve Adamek/DTI02

TarGOST

Final depth:
24.30 ft

Max signal:
470.2 % @ 13.52 ft

Date & Time:
6/13/2006 4:41:50 PM



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WSSTG010

Site:
Willow Street Station, Chic

Client:
Burns & McDonnell

Job:
09413-098

Latitude / System:
Unavailable / NAD83

Longitude / Fix:
Unavailable /

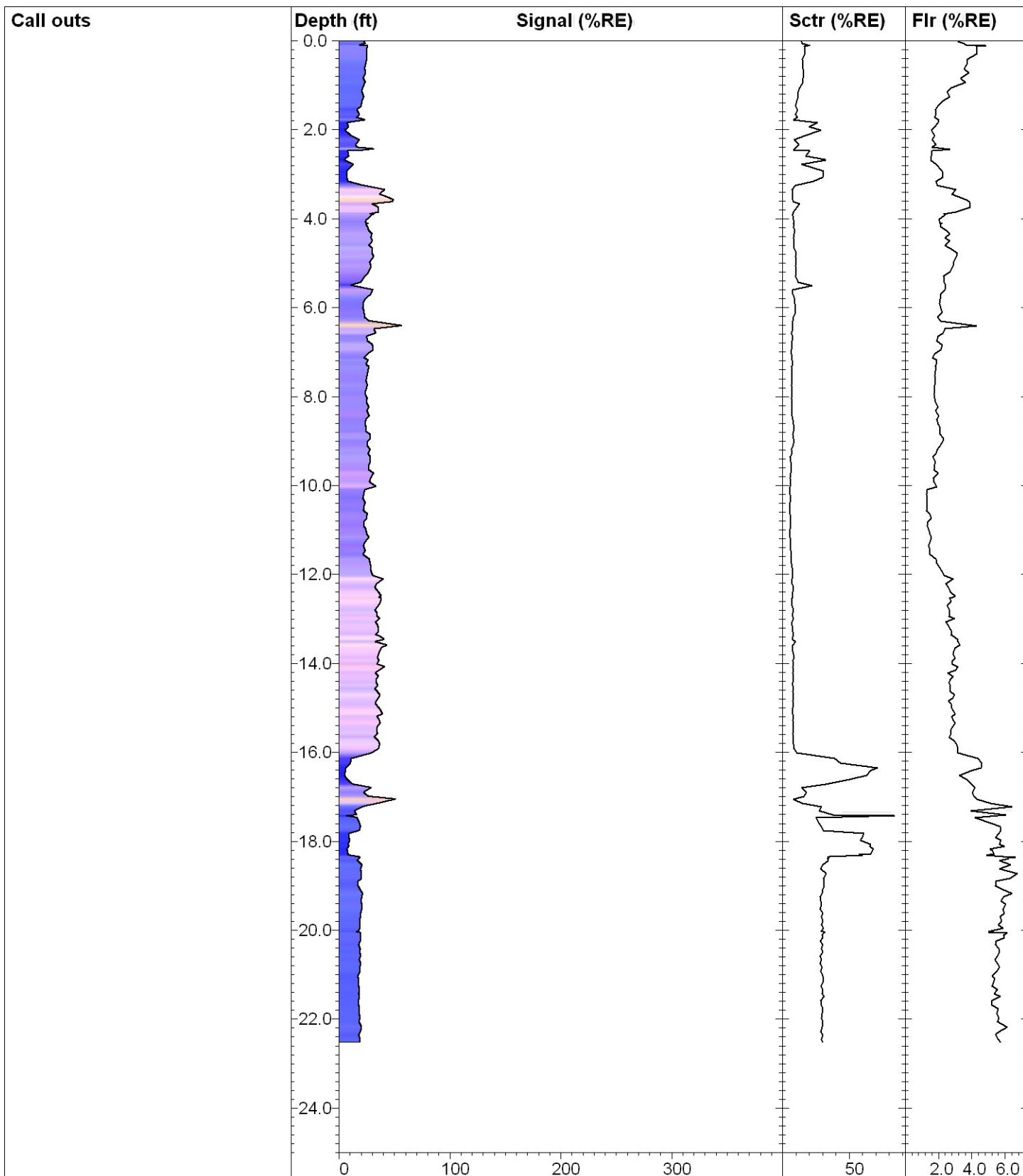
Operator/Unit:
Steve Adamek/DTI02

TarGOST

Final depth:
20.13 ft

Max signal:
73.5 % @ 11.67 ft

Date & Time:
6/14/2006 8:03:13 AM



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WSSTG011

Site:
Willow Street Station, Chic

Client:
Burns & McDonnell

Job:
09413-098

Latitude / System:
Unavailable / NAD83

Longitude / Fix:
Unavailable /

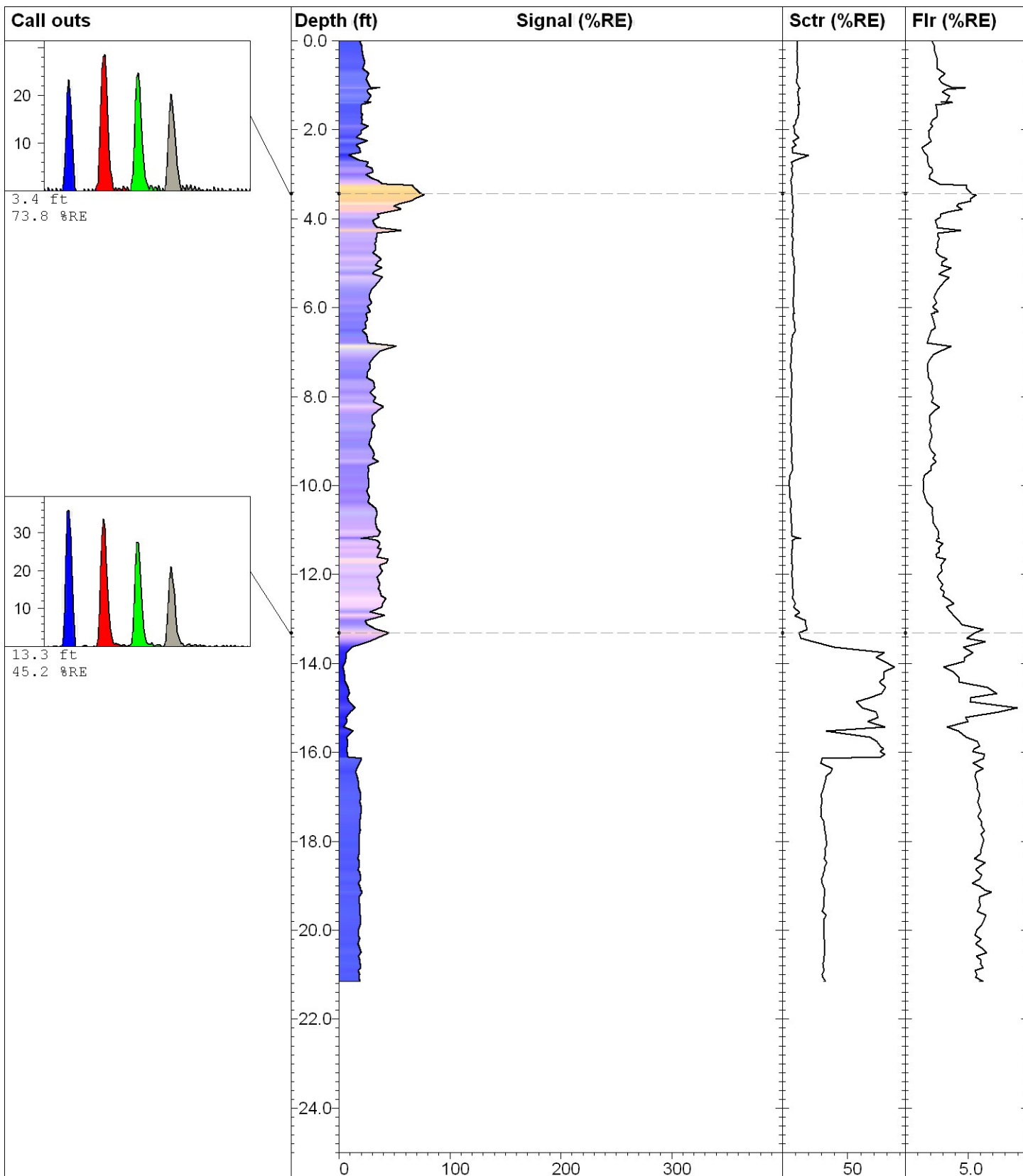
Operator/Unit:
Steve Adamek/DTI02

TarGOST

Final depth:
22.54 ft

Max signal:
56.9 % @ 6.41 ft

Date & Time:
6/14/2006 8:49:18 AM



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WSSTG012

Site:
Willow Street Station, Chic

Client:
Burns & McDonnell

Job:
09413-098

Latitude / System:
Unavailable / NAD83

Longitude / Fix:
Unavailable /

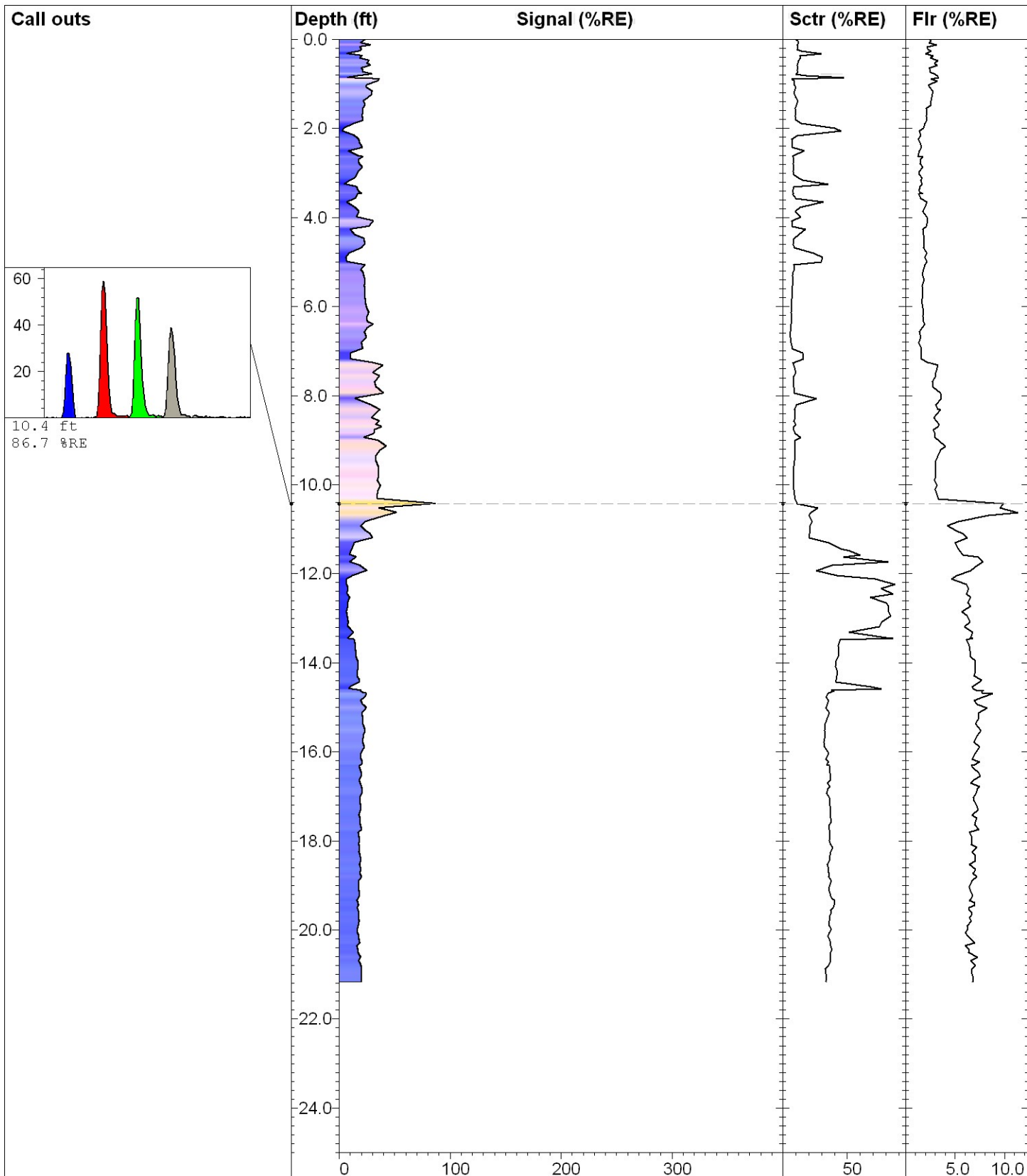
Operator/Unit:
Steve Adamek/DTI02

TarGOST

Final depth:
21.16 ft

Max signal:
77.1 % @ 3.46 ft

Date & Time:
6/14/2006 9:32:16 AM



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WSSTG013

Site:
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Client:
Burns & McDonnell

Job:
09413-098

Latitude / System:
Unavailable / NAD83

Longitude / Fix:
Unavailable /

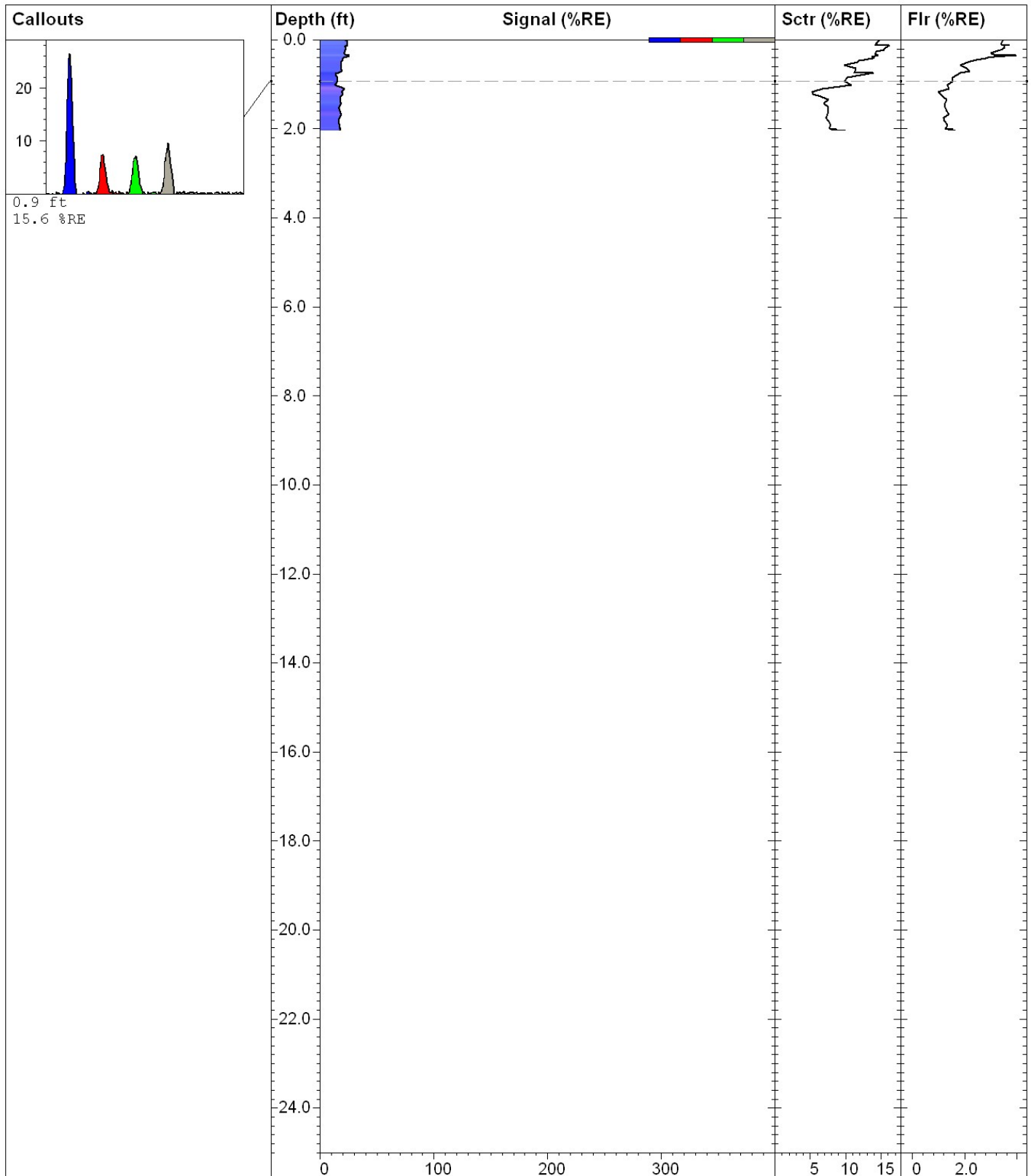
Operator/Unit:
Steve Adamek/DTI02

TarGOST

Final depth:
21.18 ft

Max signal:
86.7 % @ 10.43 ft

Date & Time:
6/14/2006 10:25:06 AM



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WSSTG014

Site:
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Client:
Burns & McDonnell

Job:
09413-098

Latitude / System:
Unavailable / NAD83

Longitude:
Unavailable

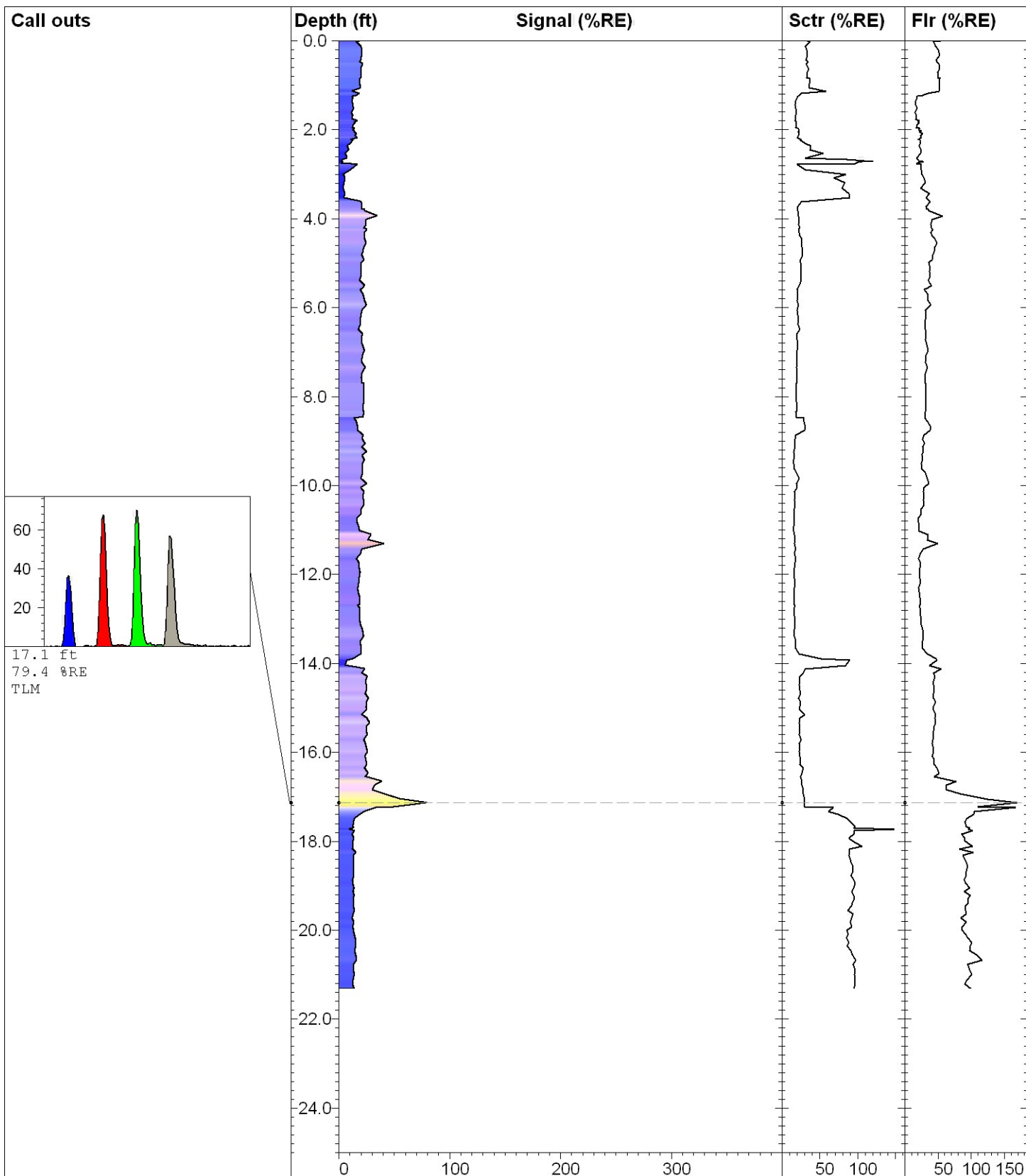
Operator/Unit:
Steve Adamek/DTI02

TarGOST

Final depth:
2.05 ft

Max signal:
27.4 % @ 0.35 ft

Date & Time:
6/14/2006 11:26:38 AM



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WSSTG014b

Site:
Willow Street Station, Chic

Client:
Burns & McDonnell

Job:
09413-098

Latitude / System:
Unavailable / NAD83

Longitude / Fix:
Unavailable /

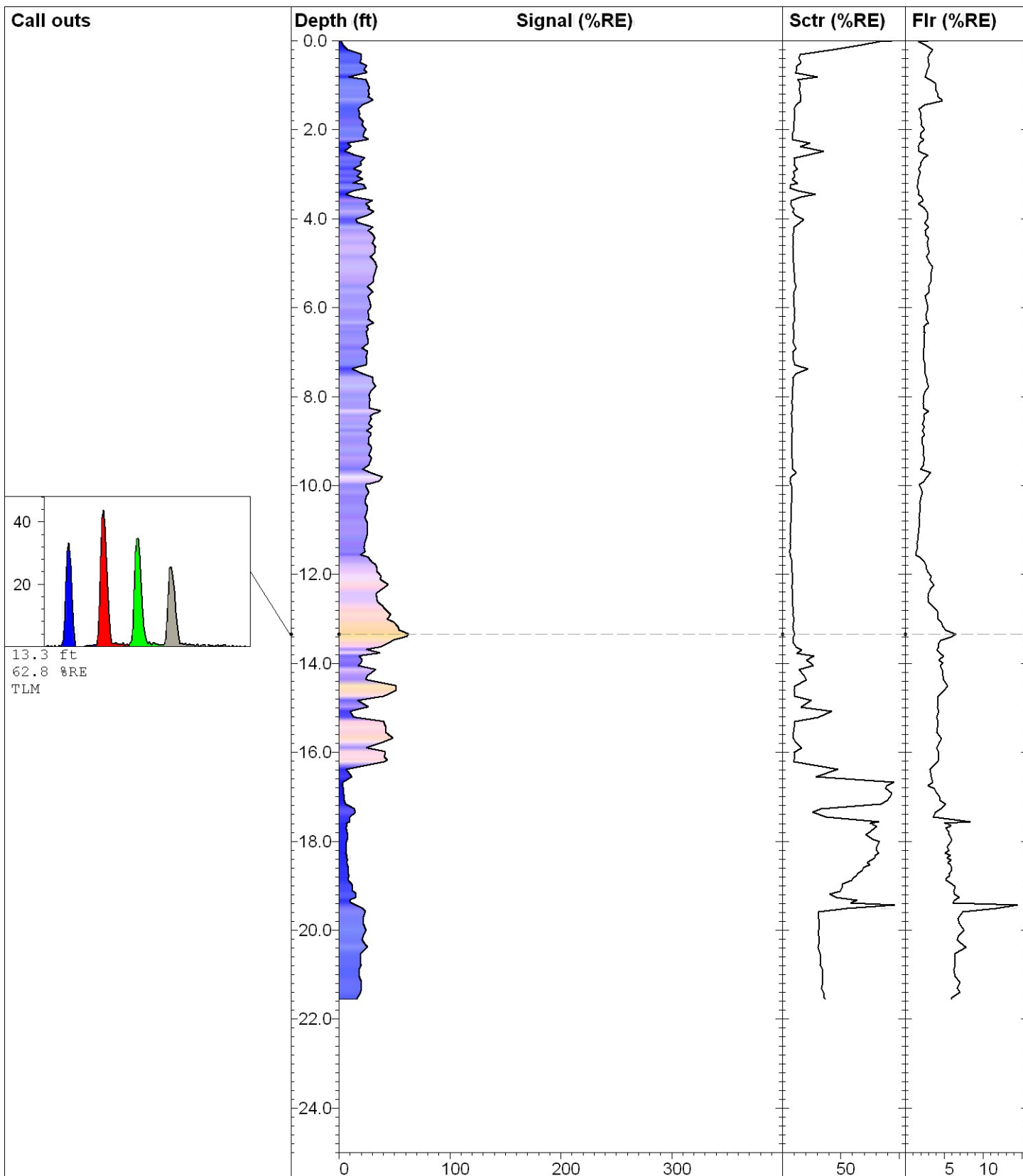
Operator/Unit:
Steve Adamek/DTI02

TarGOST

Final depth:
21.32 ft

Max signal:
79.4 % @ 17.13 ft

Date & Time:
6/14/2006 11:51:10 AM



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WSSTG015

Site:
Willow Street Station, Chic

Client:
Burns & McDonnell

Job:
09413-098

Latitude / System:
Unavailable / NAD83

Longitude / Fix:
Unavailable /

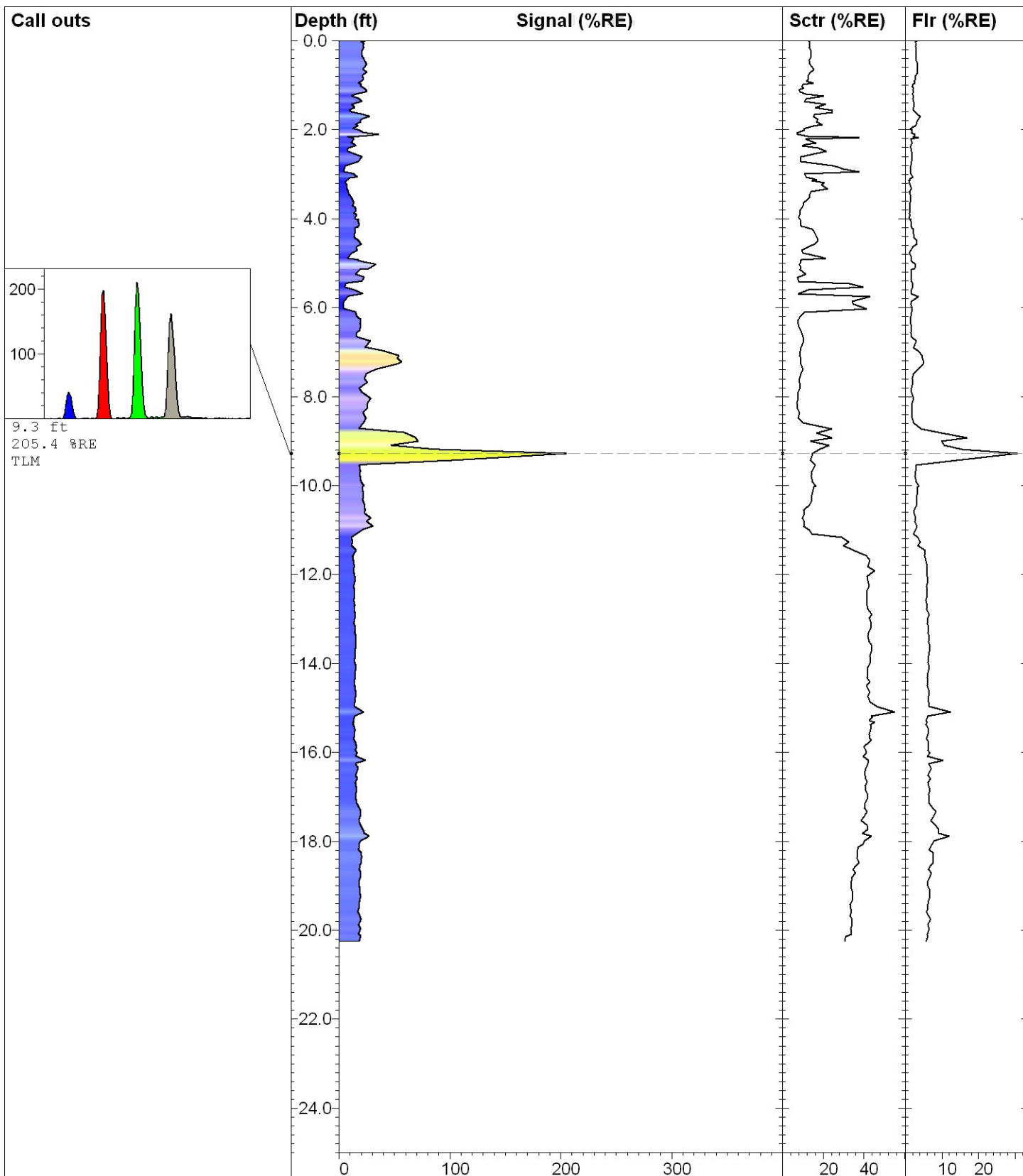
Operator/Unit:
Steve Adamek/DTI02

TarGOST

Final depth:
21.57 ft

Max signal:
62.8 % @ 13.34 ft

Date & Time:
6/14/2006 1:14:38 PM



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WSSTG016

Site:
Willow Street Station, Chic

Client:
Burns & McDonnell

Job:
09413-098

Latitude / System:
Unavailable / NAD83

Longitude / Fix:
Unavailable /

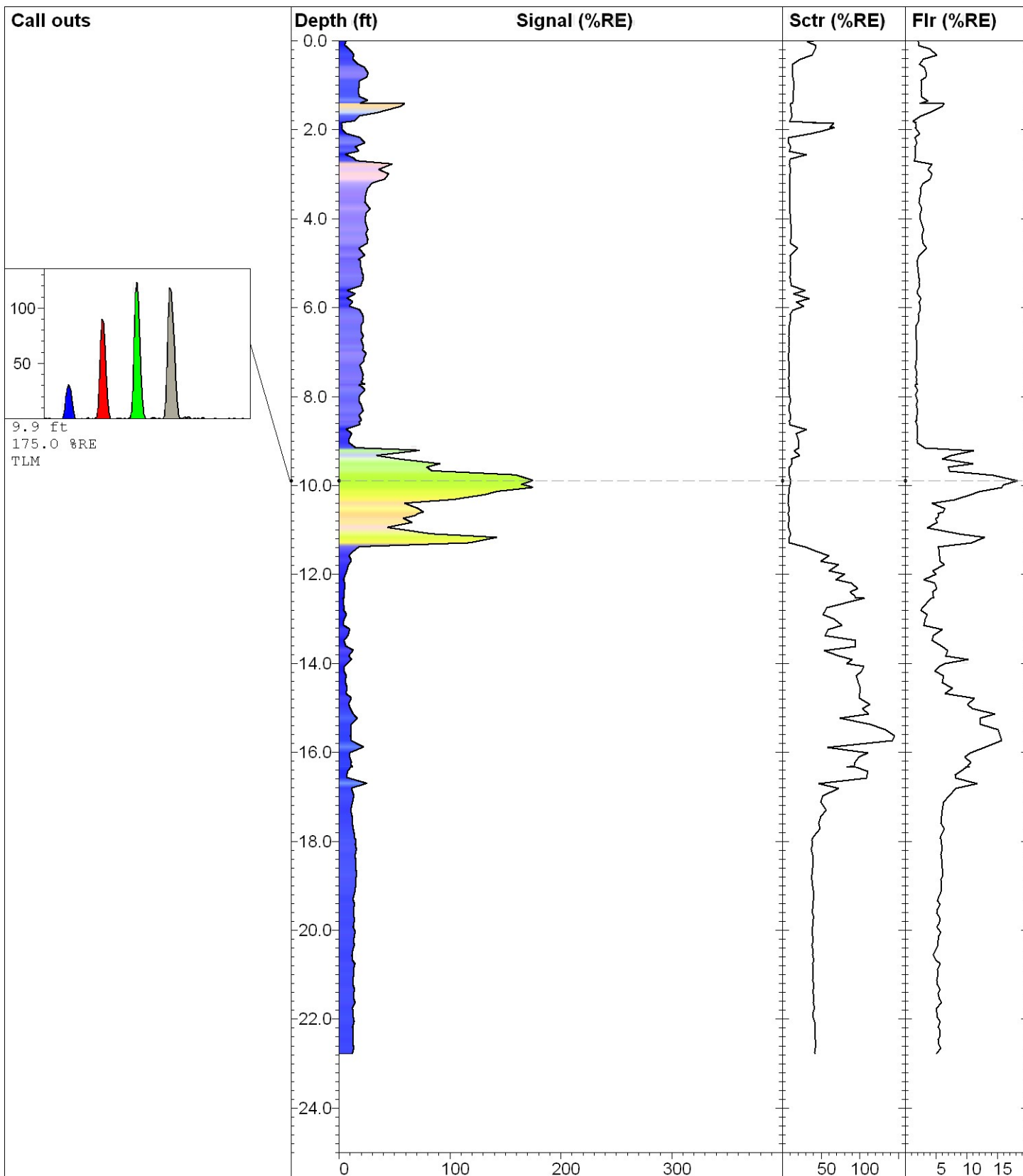
Operator/Unit:
Steve Adamek/DTI02

TarGOST

Final depth:
20.26 ft

Max signal:
205.4 % @ 9.29 ft

Date & Time:
6/14/2006 1:55:13 PM



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WSSTG017

Site:
Willow Street Station, Chic

Client:
Burns & McDonnell

Job:
09413-098

Latitude / System:
Unavailable / NAD83

Longitude / Fix:
Unavailable /

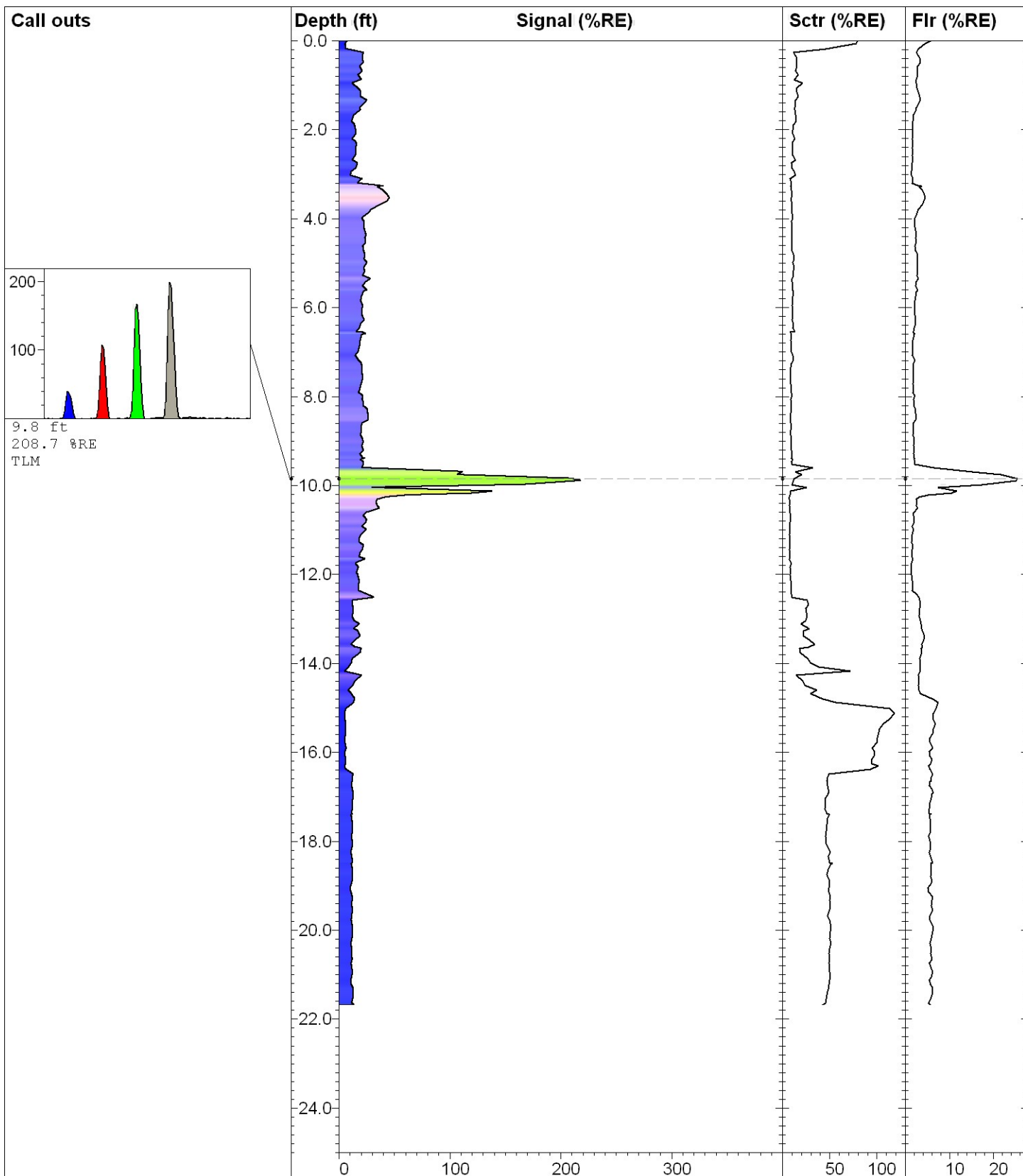
Operator/Unit:
Steve Adamek/DTI02

TarGOST

Final depth:
22.79 ft

Max signal:
175.2 % @ 10.05 ft

Date & Time:
6/14/2006 2:38:54 PM



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WSSTG018

Site:
Willow Street Station, Chic

Client:
Burns & McDonnell

Job:
09413-098

Latitude / System:
Unavailable / NAD83

Longitude / Fix:
Unavailable /

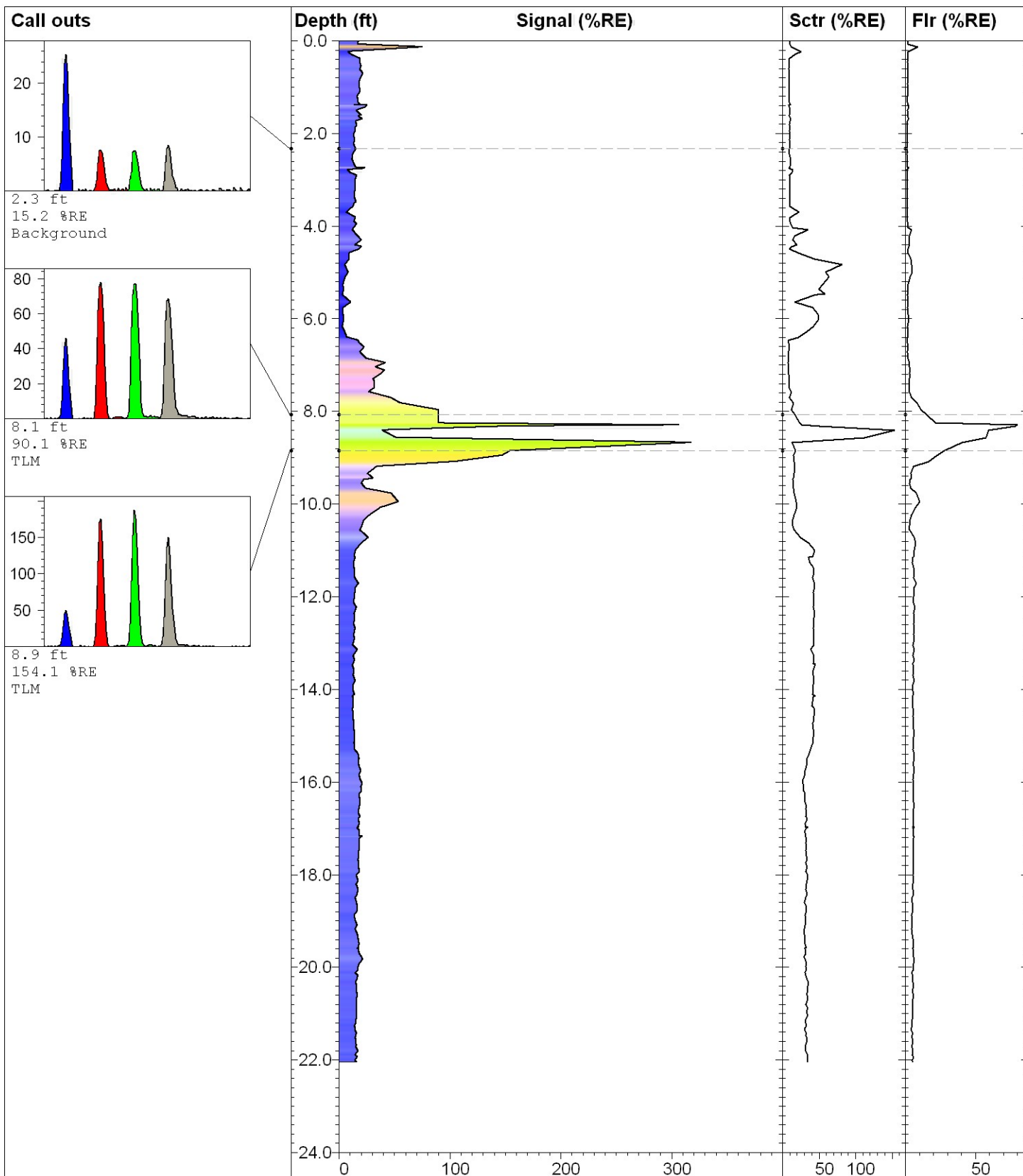
Operator/Unit:
Steve Adamek/DTI02

TarGOST

Final depth:
21.68 ft

Max signal:
218.5 % @ 9.89 ft

Date & Time:
6/14/2006 3:17:22 PM



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WSSTG019

Site:
Willow Street- Chicago, IL

Client:
Burns & McDonnell

Job:
09413-098

Latitude / System:
Unavailable / NAD83

Longitude / Fix:
Unavailable /

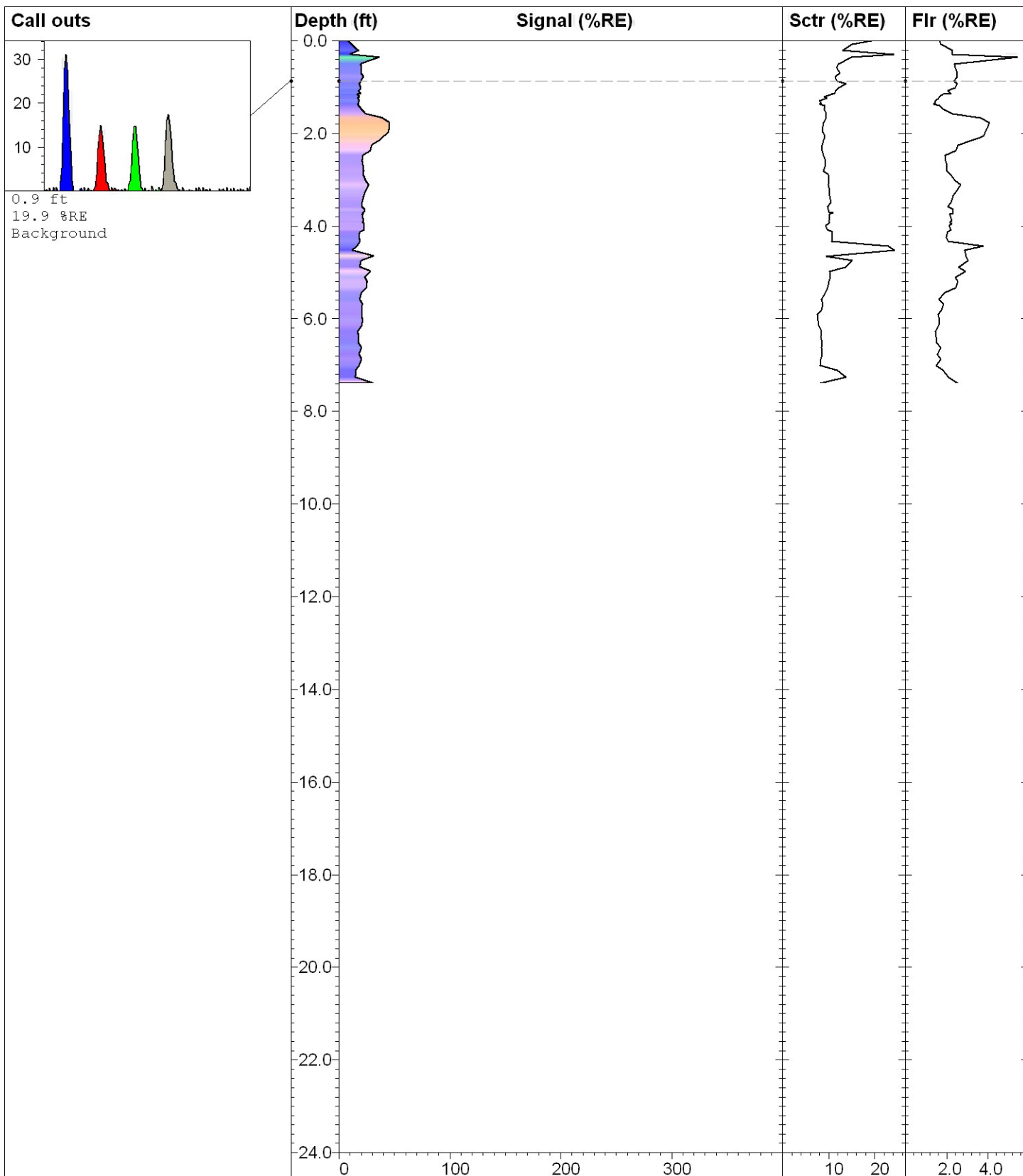
Operator/Unit:
Tom Rudolph/DTI02

TarGOST

Final depth:
22.05 ft

Max signal:
319.6 % @ 8.67 ft

Date & Time:
6/20/2006 8:53:48 AM



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WSSTG020

Site:
Willow Street- Chicago, IL

Client:
Burns & McDonnell

Job:
09413-098

Latitude / System:
Unavailable / NAD83

Longitude / Fix:
Unavailable /

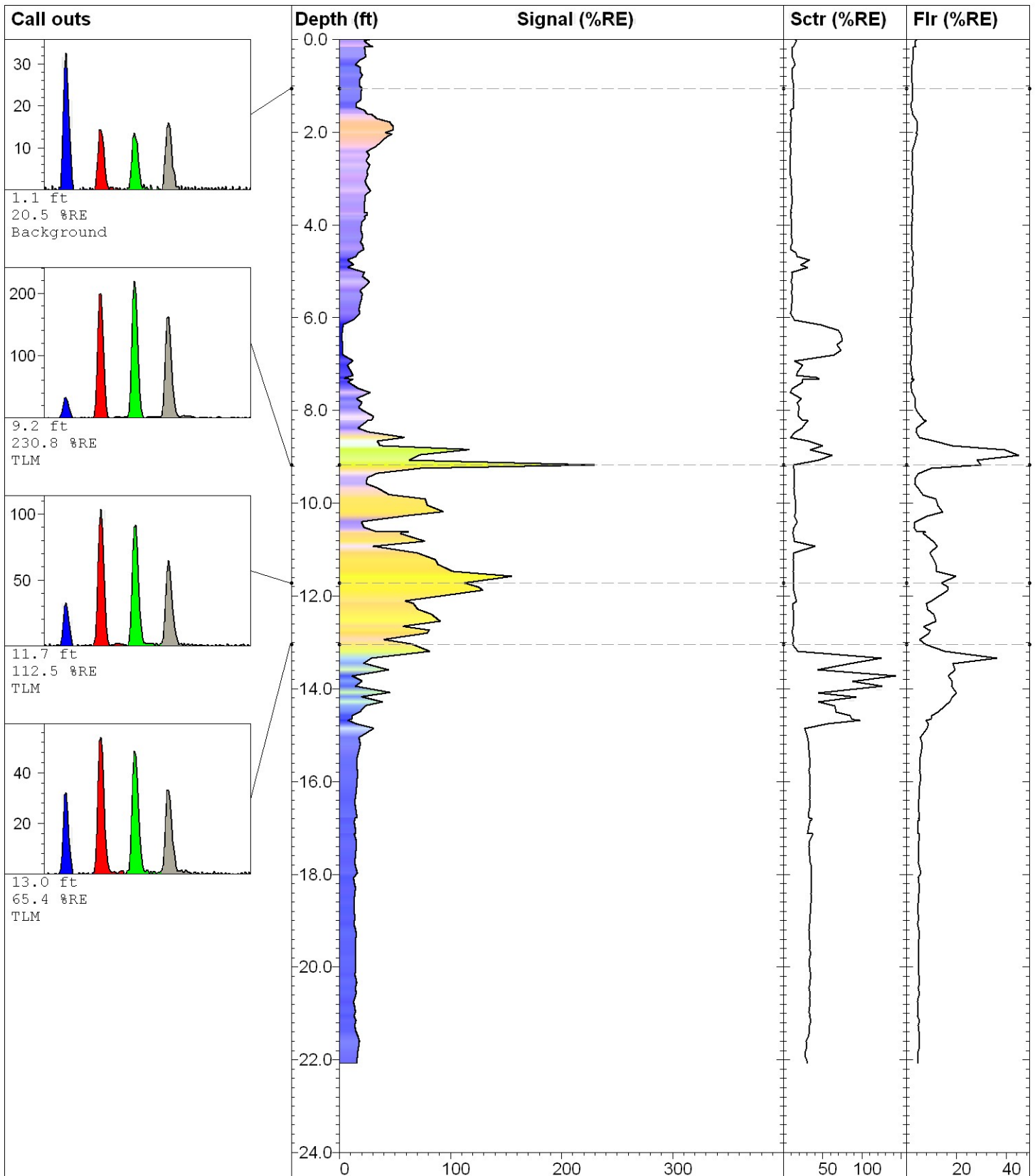
Operator/Unit:
Tom Rudolph/DTI02

TarGOST

Final depth:
7.39 ft

Max signal:
45.7 % @ 1.85 ft

Date & Time:
6/20/2006 9:30:15 AM



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WSSTG020b

Site:
Willow Street- Chicago, IL

Client:
Burns & McDonnell

Job:
09413-098

Latitude / System:
Unavailable / NAD83

Longitude / Fix:
Unavailable /

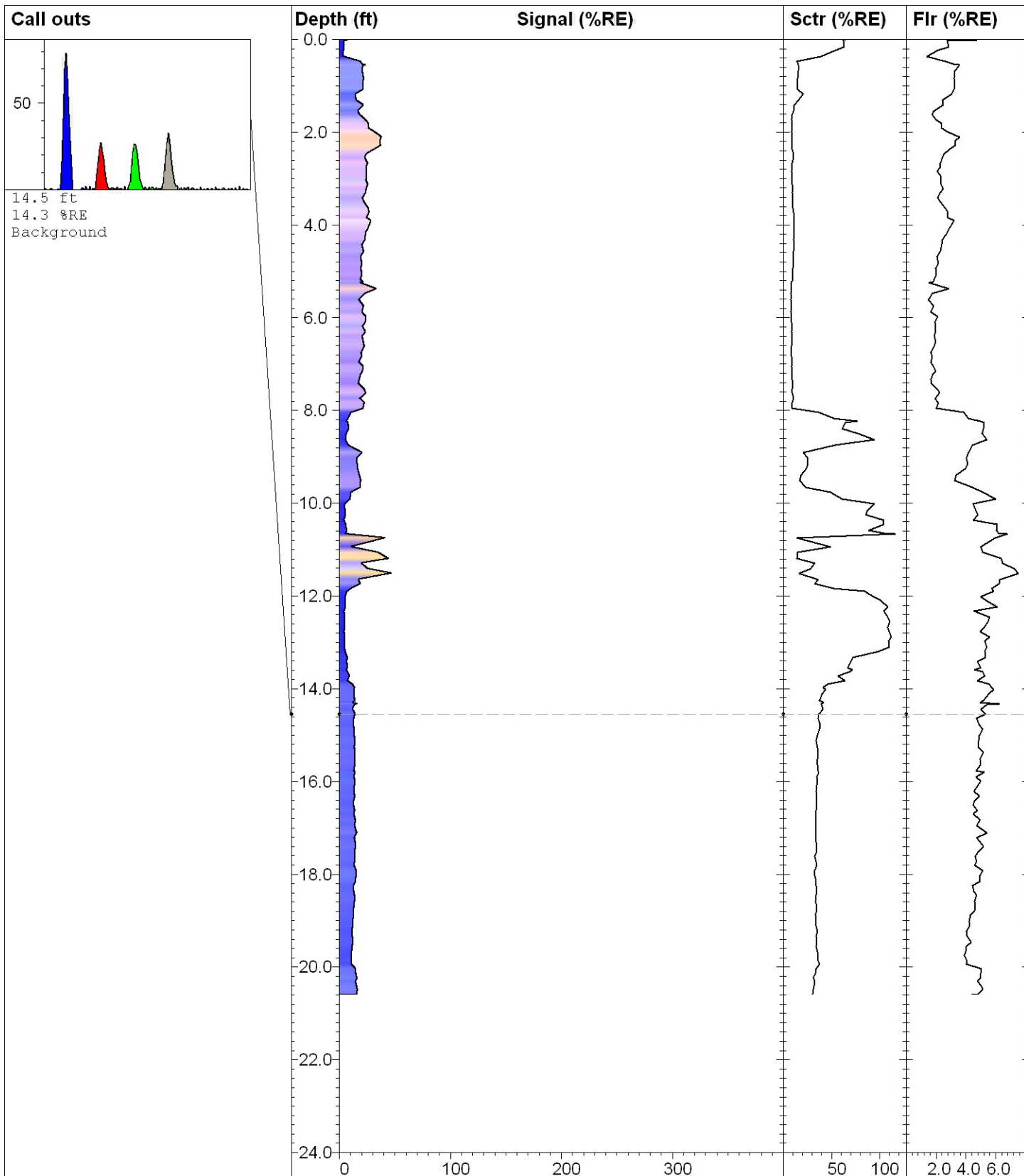
Operator/Unit:
Tom Rudolph/DTI02

TarGOST

Final depth:
22.08 ft

Max signal:
230.8 % @ 9.18 ft

Date & Time:
6/20/2006 9:48:49 AM



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WSSTG021

Site:
Willow Street- Chicago, IL

Client:
Burns & McDonnell

Job:
09413-098

Latitude / System:
Unavailable / NAD83

Longitude / Fix:
Unavailable /

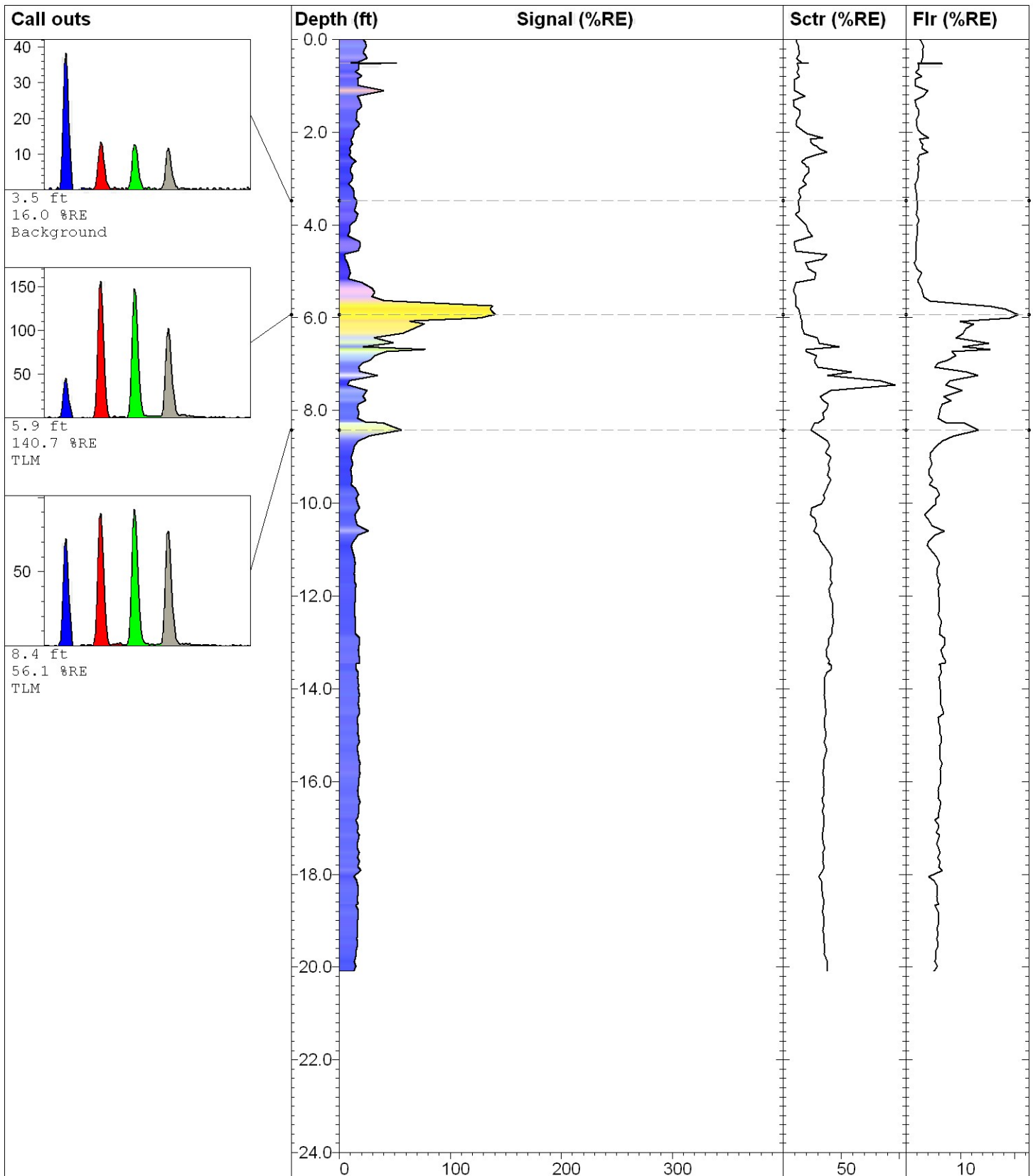
Operator/Unit:
Tom Rudolph/DTI02

TarGOST

Final depth:
20.60 ft

Max signal:
46.6 % @ 11.51 ft

Date & Time:
6/20/2006 10:23:57 AM



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WSSTG022

Site:
Willow Street- Chicago, IL

Client:
Burns & McDonnell

Job:
09413-098

Latitude / System:
Unavailable / NAD83

Longitude / Fix:
Unavailable /

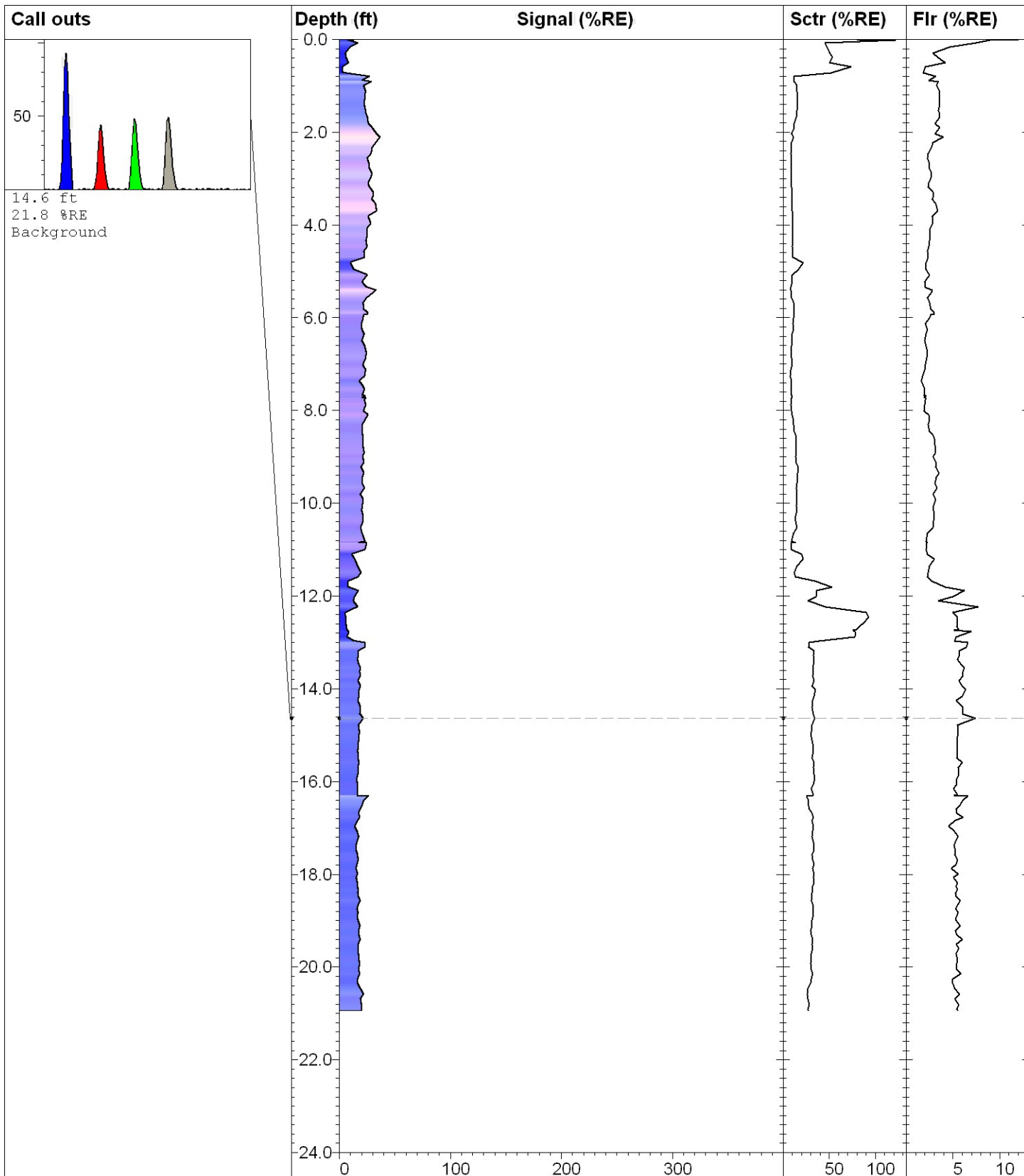
Operator/Unit:
Tom Rudolph/DTI02

TarGOST

Final depth:
20.10 ft

Max signal:
140.7 % @ 5.93 ft

Date & Time:
6/20/2006 11:00:51 AM



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WSSTG023

Site:
Willow Street- Chicago, IL

Client:
Burns & McDonnell

Job:
09413-098

Latitude / System:
Unavailable / NAD83

Longitude / Fix:
Unavailable /

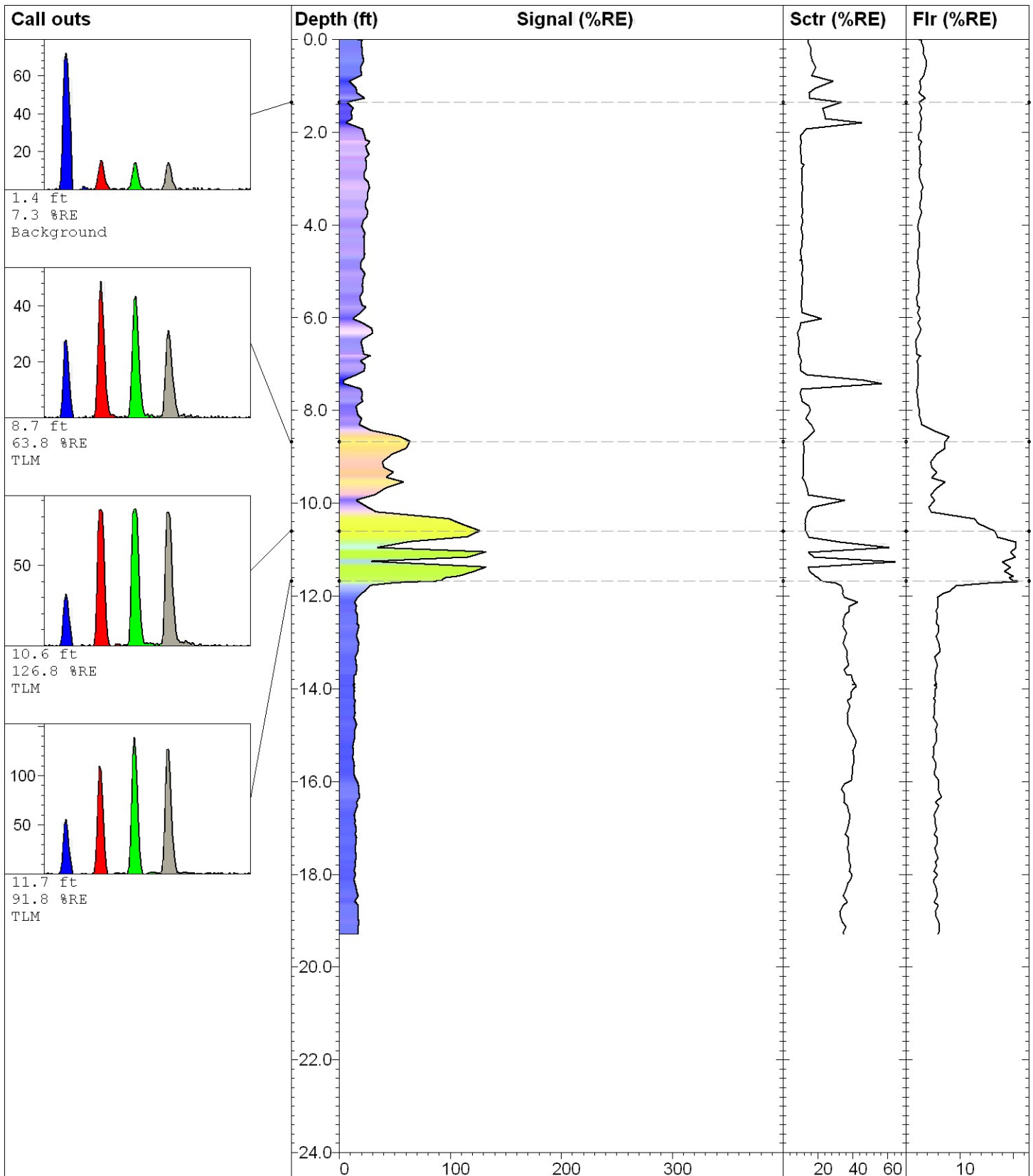
Operator/Unit:
Tom Rudolph/DTI02

TarGOST

Final depth:
20.95 ft

Max signal:
36.7 % @ 2.10 ft

Date & Time:
6/20/2006 12:09:51 PM



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WSSTG024

Site:
Willow Street- Chicago, IL

Client:
Burns & McDonnell

Job:
09413-098

Latitude / System:
Unavailable / NAD83

Longitude / Fix:
Unavailable /

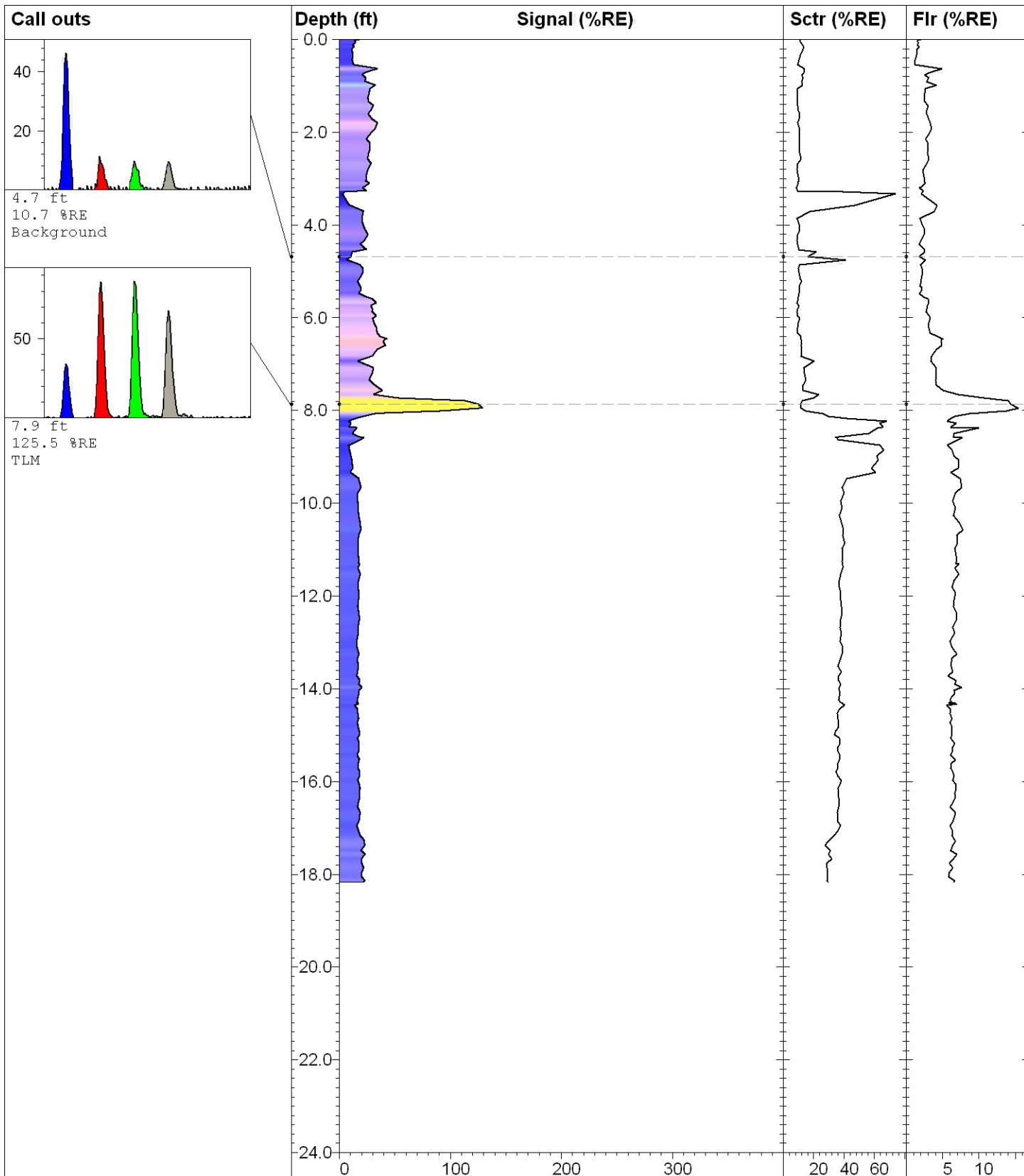
Operator/Unit:
Tom Rudolph/DTI02

TarGOST

Final depth:
19.30 ft

Max signal:
132.3 % @ 11.05 ft

Date & Time:
6/20/2006 12:52:12 PM



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WSSTG025

Site:
Willow Street- Chicago, IL

Client:
Burns & McDonnell

Job:
09413-098

Latitude / System:
Unavailable / NAD83

Longitude / Fix:
Unavailable /

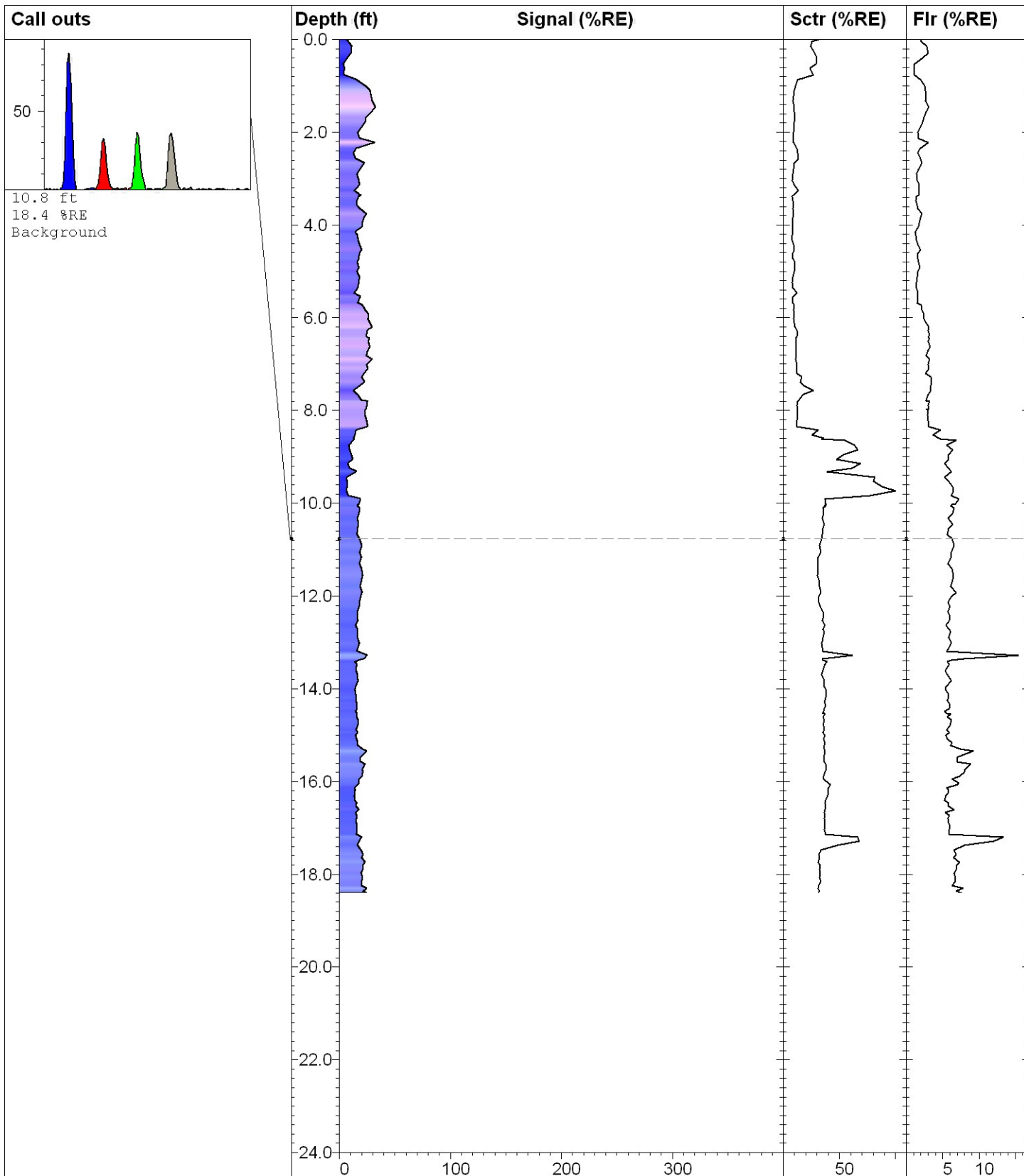
Operator/Unit:
Tom Rudolph/DTI02

TarGOST

Final depth:
18.18 ft

Max signal:
129.3 % @ 7.95 ft

Date & Time:
6/20/2006 1:34:04 PM



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WSSTG026

Site:
Willow Street- Chicago, IL

Client:
Burns & McDonnell

Job:
09413-098

Latitude / System:
Unavailable / NAD83

Longitude / Fix:
Unavailable /

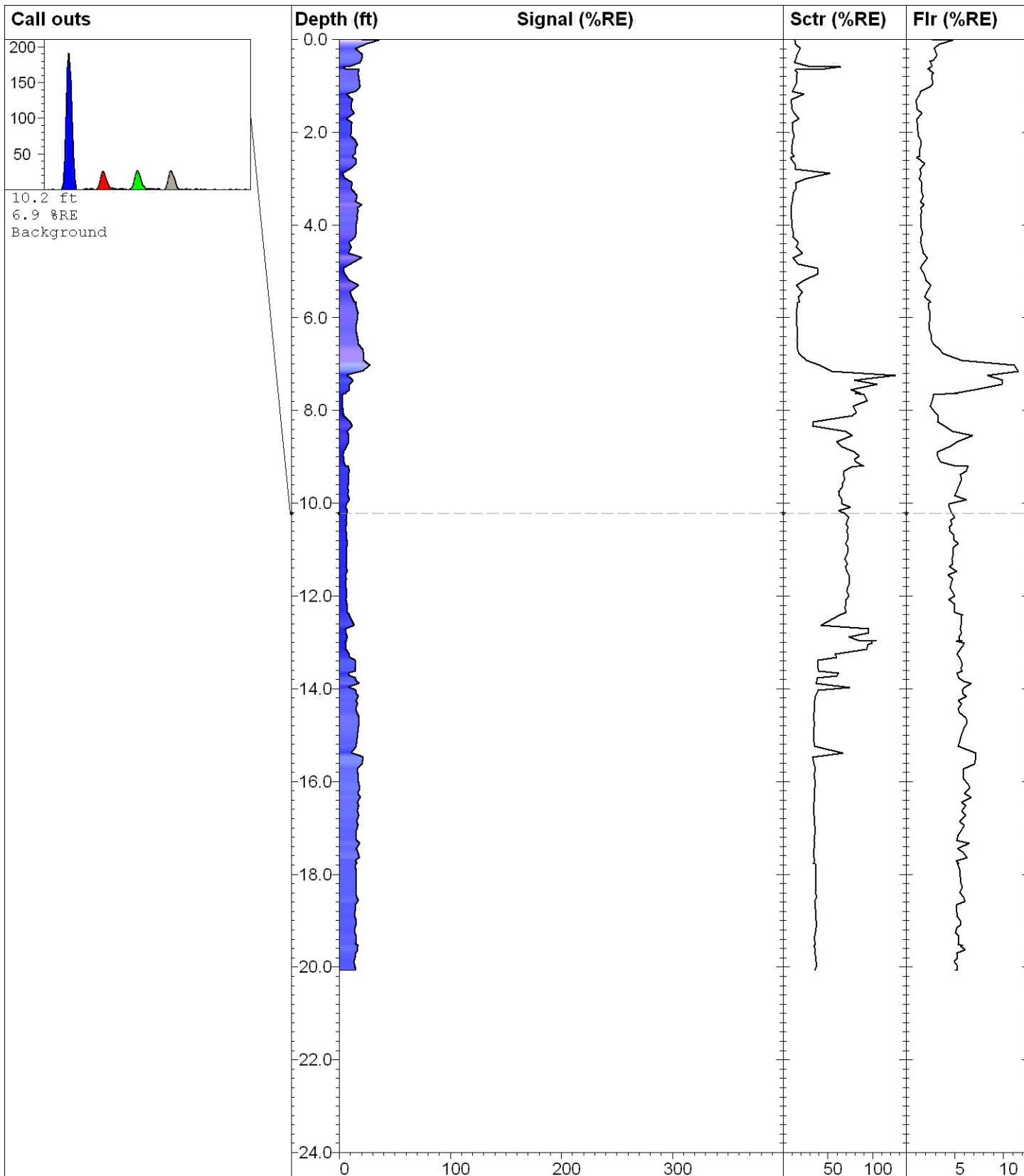
Operator/Unit:
Tom Rudolph/DTI02

TarGOST

Final depth:
18.40 ft

Max signal:
32.6 % @ 1.46 ft

Date & Time:
6/20/2006 2:11:12 PM



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WSSTG027

Site:
Willow Street- Chicago, IL

Client:
Burns & McDonnell

Job:
09413-098

Latitude / System:
Unavailable / NAD83

Longitude / Fix:
Unavailable /

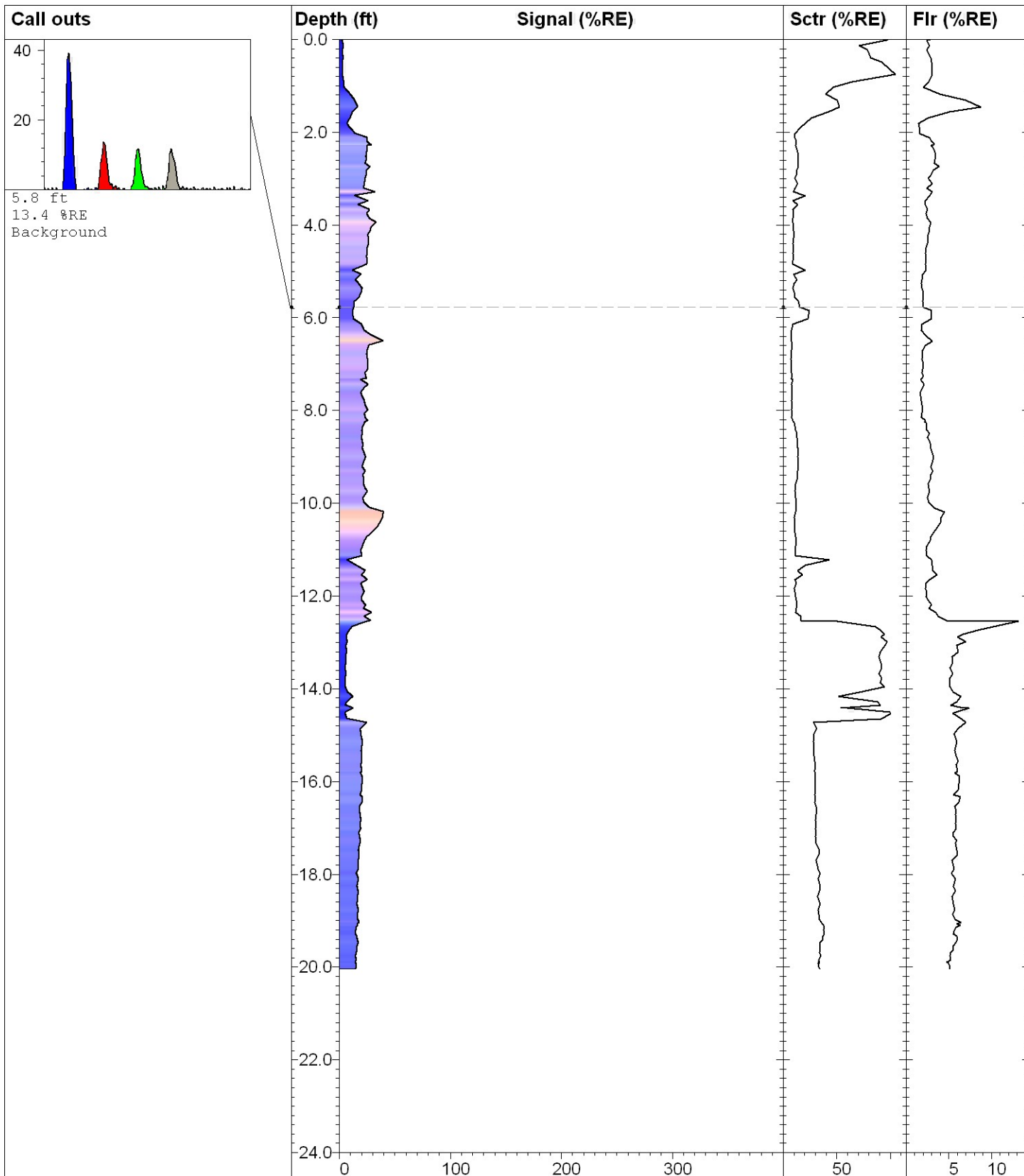
Operator/Unit:
Tom Rudolph/DTI02

TarGOST

Final depth:
20.09 ft

Max signal:
36.0 % @ 0.02 ft

Date & Time:
6/20/2006 2:53:30 PM



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WSSTG028

Site:
Willow Street- Chicago, IL

Client:
Burns & McDonnell

Job:
09413-098

Latitude / System:
Unavailable / NAD83

Longitude / Fix:
Unavailable /

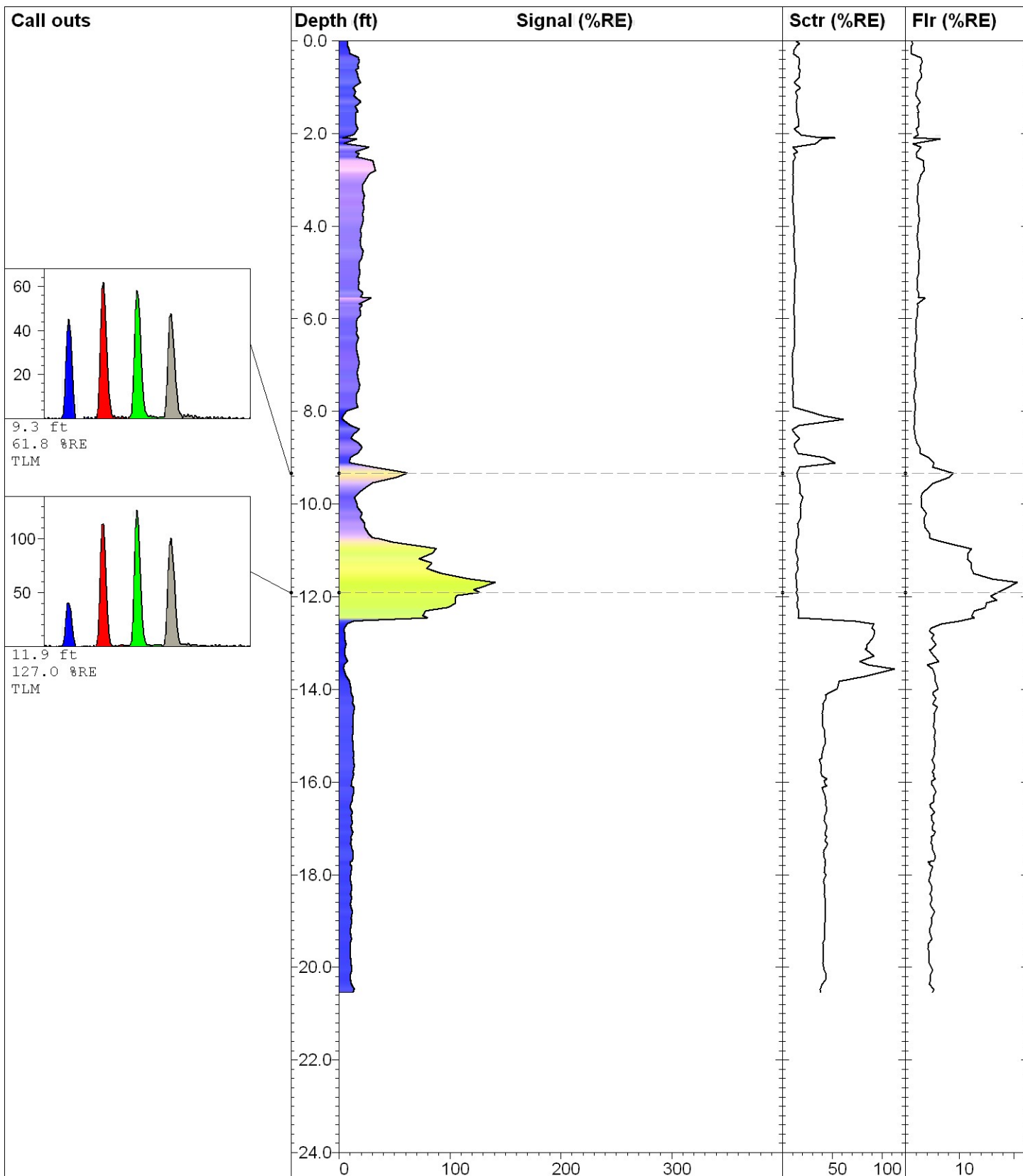
Operator/Unit:
Tom Rudolph/DTI02

TarGOST

Final depth:
20.05 ft

Max signal:
39.9 % @ 10.18 ft

Date & Time:
6/20/2006 3:37:09 PM



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WSSTG029

Site:
Willow Street- Chicago, IL

Client:
Burns & McDonnell

Job:
09413-098

Latitude / System:
Unavailable / NAD83

Longitude / Fix:
Unavailable /

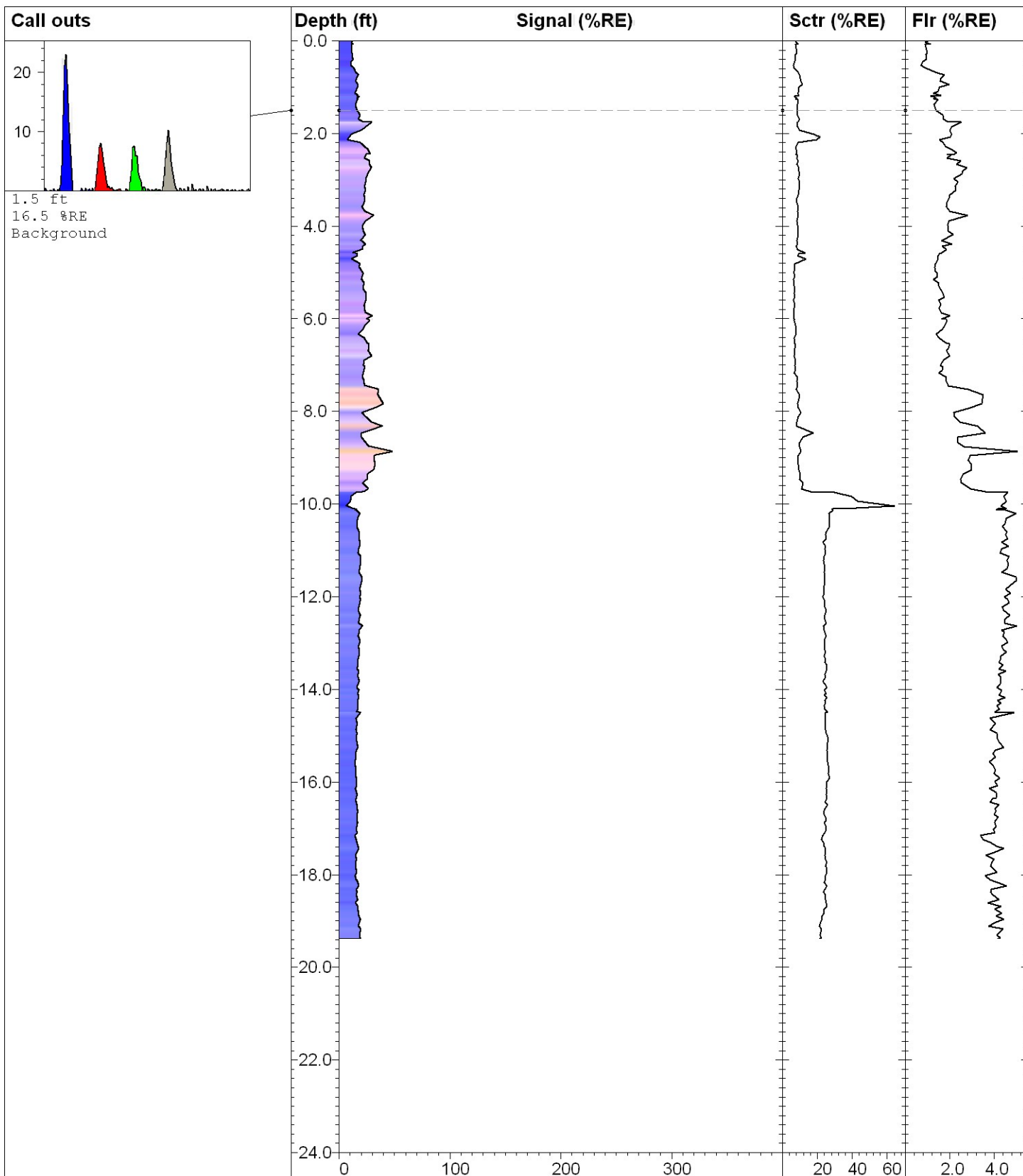
Operator/Unit:
Tom Rudolph/DTI02

TarGOST

Final depth:
20.56 ft

Max signal:
140.8 % @ 11.70 ft

Date & Time:
6/20/2006 4:10:56 PM



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WSSTG030

Site:
Willow Street- Chicago, IL

Client:
Burns & McDonnell

Job:
09413-098

Latitude / System:
Unavailable / NAD83

Longitude / Fix:
Unavailable /

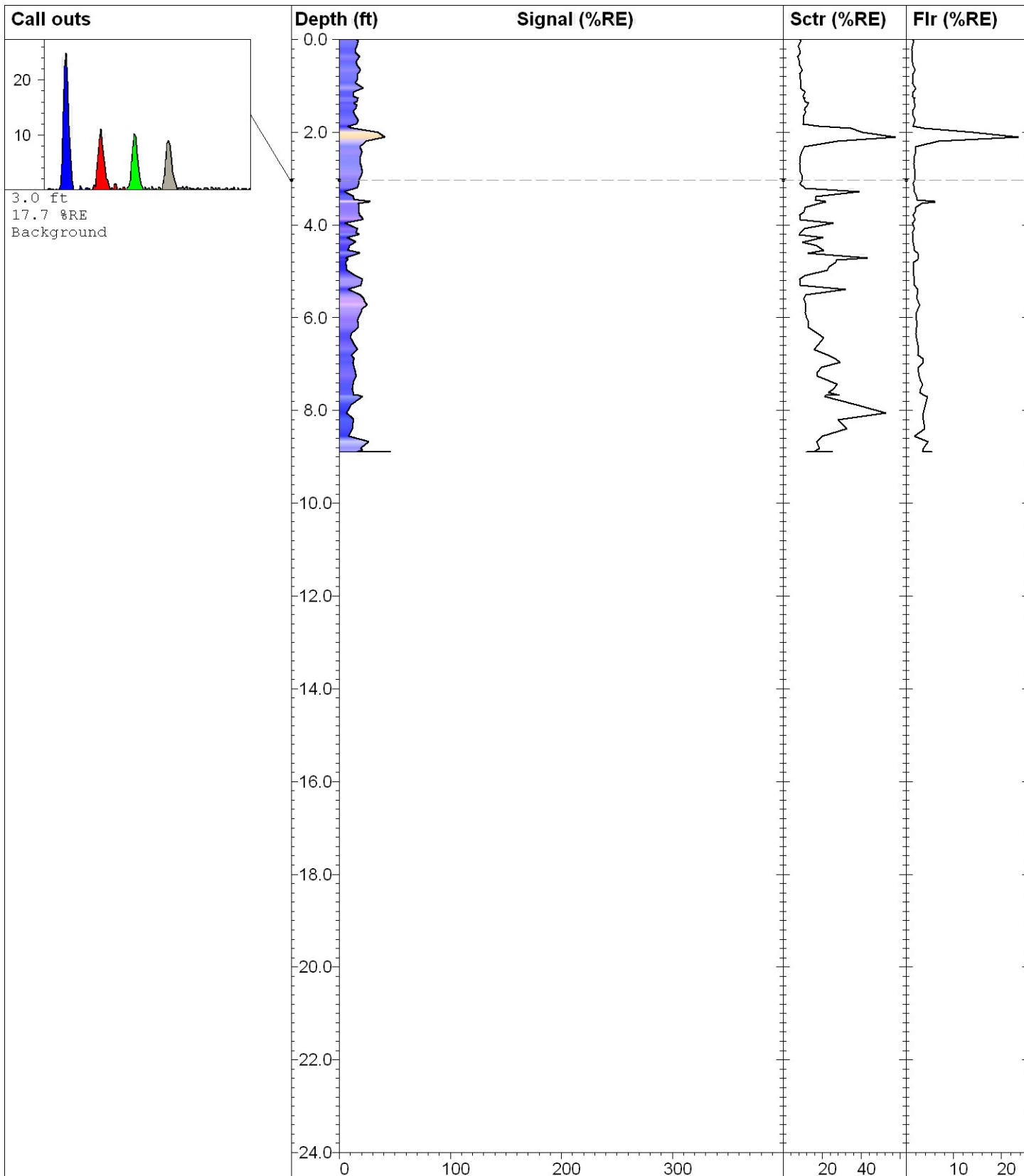
Operator/Unit:
Tom Rudolph/DTI02

TarGOST

Final depth:
19.39 ft

Max signal:
48.5 % @ 8.87 ft

Date & Time:
6/21/2006 9:35:55 AM



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WSSTG031

Site:
Willow Street- Chicago, IL

Client:
Burns & McDonnell

Job:
09413-098

Latitude / System:
Unavailable / NAD83

Longitude / Fix:
Unavailable /

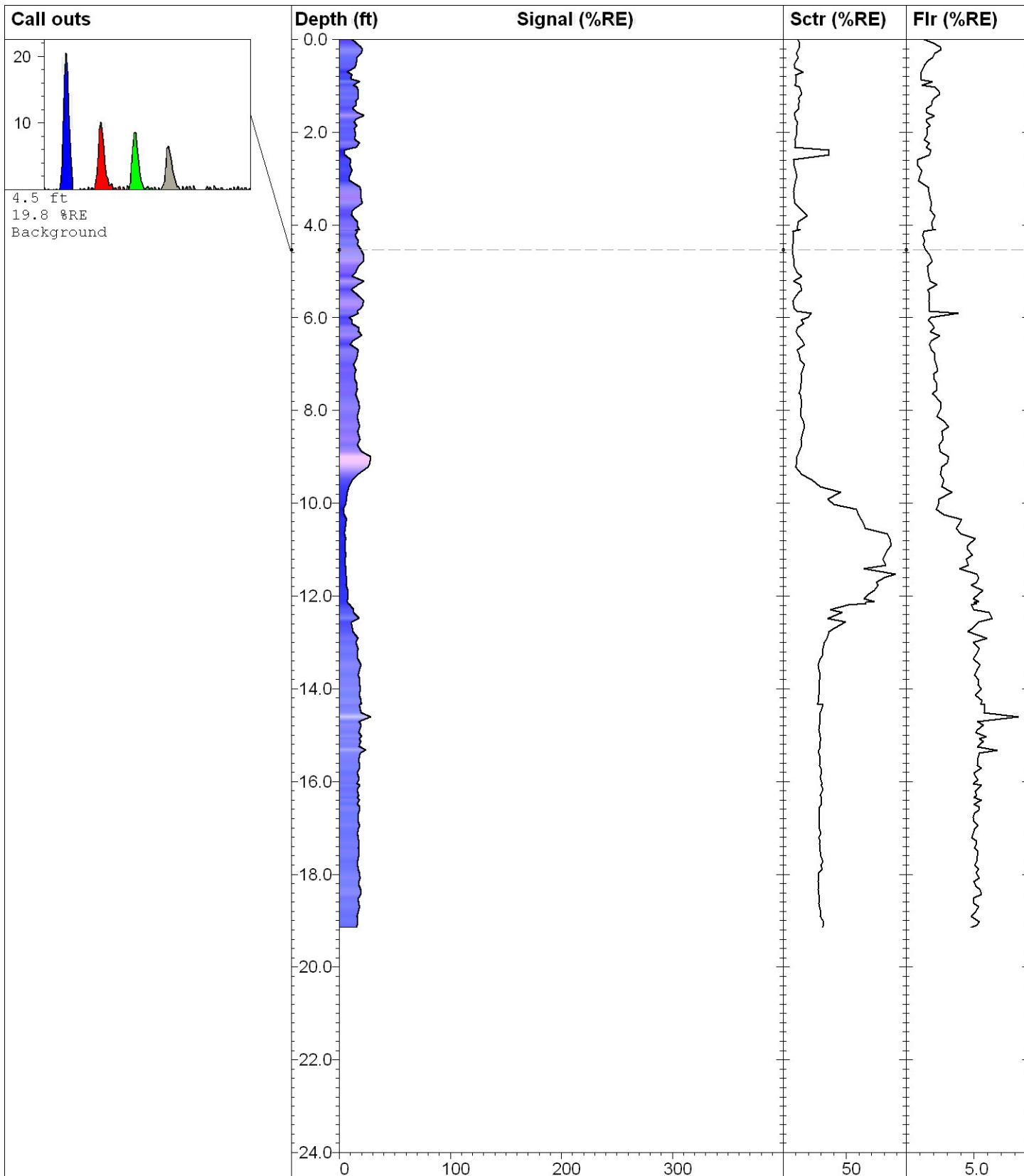
Operator/Unit:
Tom Rudolph/DTI02

TarGOST

Final depth:
8.90 ft

Max signal:
46.2 % @ 8.90 ft

Date & Time:
6/21/2006 10:20:13 AM



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WSSTG031b

Site:
Willow Street- Chicago, IL

Client:
Burns & McDonnell

Job:
09413-098

Latitude / System:
Unavailable / NAD83

Longitude / Fix:
Unavailable /

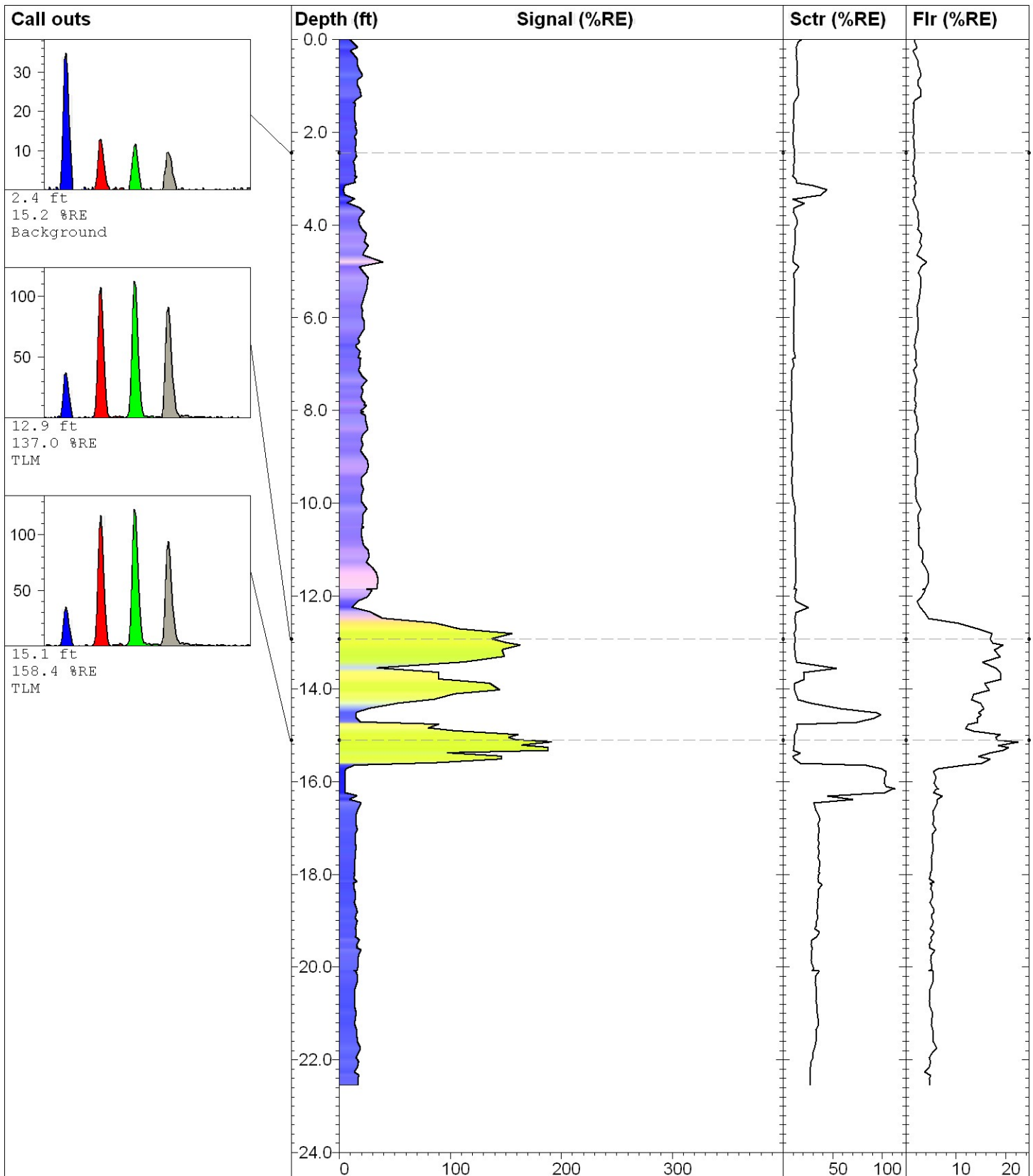
Operator/Unit:
Tom Rudolph/DTI02

TarGOST

Final depth:
19.16 ft

Max signal:
28.4 % @ 9.00 ft

Date & Time:
6/21/2006 10:41:36 AM



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WSSTG032

Site:
Willow Street- Chicago, IL

Client:
Burns & McDonnell

Job:
09413-098

Latitude / System:
Unavailable / NAD83

Longitude / Fix:
Unavailable /

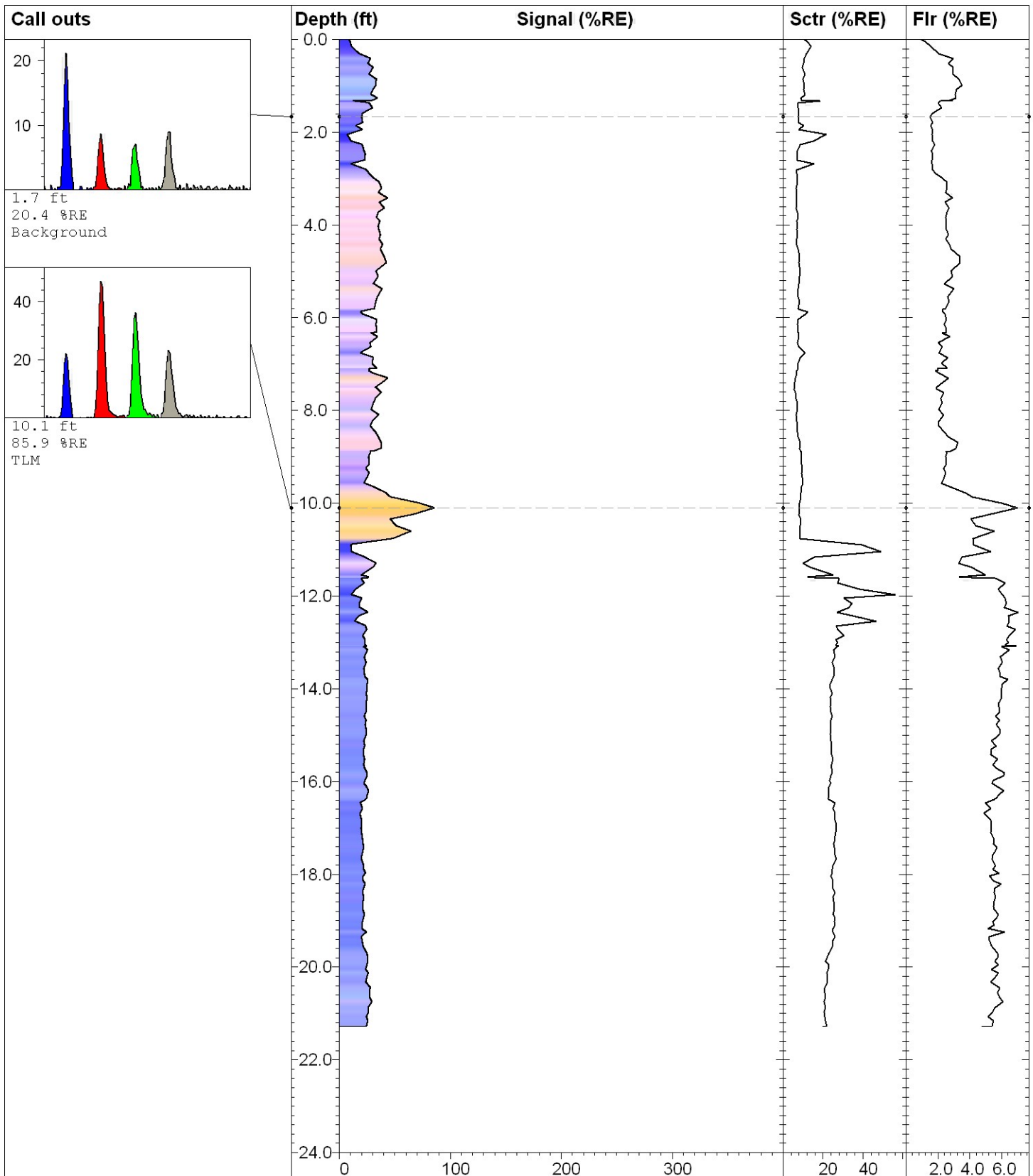
Operator/Unit:
Tom Rudolph/DTI02

TarGOST

Final depth:
22.56 ft

Max signal:
192.2 % @ 15.15 ft

Date & Time:
6/21/2006 11:18:37 AM



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WSSTG033

Site:
Willow Street- Chicago, IL

Client:
Burns & McDonnell

Job:
09413-098

Latitude / System:
Unavailable / NAD83

Longitude / Fix:
Unavailable /

Operator/Unit:
Tom Rudolph/DTI02

TarGOST

Final depth:
21.29 ft

Max signal:
85.9 % @ 10.10 ft

Date & Time:
6/21/2006 11:57:31 AM